

SEQUENCE LISTING

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Wang, Tongtong
Mohamath, Raodoh
Indirias, Carol Y.

<120> COMPOSITIONS AND METHODS FOR THE THERAPY
AND DIAGNOSIS OF LUNG CANCER

<130> 210121.512

<140> US

<141> 2001-04-11

<160> 440

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 567

<212> DNA

<213> Homo sapien

<400> 1

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<211> 413

<212> DNA

<213> Homo sapien

<400> 2

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gaagattttc	aagtcccggc	tgggtggagt	gttagtgtcc	tatggcaaca	ccttctttgt	240
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tgatgatgtg	acggaaaagg	tgaacctcca	gaacaatccc	ggggccatgg	agcacttcca	360
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<400> 3
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 gatgggcctg gcgctcttca gcctcaa 567

<210> 4
 <211> 454
 <212> DNA
 <213> Homo sapien

<400> 4
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<210> 5
 <211> 424
 <212> DNA
 <213> Homo sapien

<400> 5
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 tgtctccgtt ccattgogac catgccgcag atactctact tcaggcagct ctgggttgac 180
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 agacaaaactc ttccagatgg ttcttgggtc tgcagcttat aatgttccat tgccaaagaa 360
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 acag 424

<210> 6
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 <212> DNA
 <213> Homo sapien

<400> 6

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ctcagtgaag	tgctgtgggt	ctgtgccaac	ctcttttagt	atgtccaatt	caagatgagt	300
cataagagga	tcatgctggt	caccaatgaa	gacaaccccc	atggcaatga	cagtgccaaa	360
gccagccggg	ccaggaccaa	agccggtgat	ctccgagata	caggcatctt	ccttgacttg	420
atgcacctga	agaaacctgg	gggctttgac	atatccttgt	tctacagaga	tatcatcagc	480
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<210> 7

<211> 566

<212> DNA

<213> Homo sapien

<400> 7

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gtggcgccgg	gagcctcgaa	aagagattct	cagcgctgat	tttgagatga	tgggcttggg	180
aaacggggcgt	cgcagcatga	agtcgccgcc	cctcgtgctg	gccgccctgg	tggcctgcat	240
catcgtcttg	ggcttcaact	actggattgc	gagctcccgg	agcgtggacc	tccagacacg	300
gatcatggag	ctggaaggca	gggtccgcag	ggcggctgca	gagagaggcg	ccgtggagct	360
gaagaagaac	gagttccagg	gagagctgga	gaagcagcgg	gagcagcttg	acaaaatcca	420
gtccagccac	aacttccagc	tggagagcgt	caacaagctg	taccaggacg	aaaaggcggg	480
tttggtgaat	aacatcacca	caggtgagag	gtcctccga	gtgctgcaag	accagttaaa	540
gaccctgcag	aggaattacg	gcaggc				566

<210> 8

<211> 515

<212> DNA

<213> Homo sapien

<400> 8

gaattcggca	cgagctgtcc	tccttgccgg	tgcggagatg	gttgtcttgg	ttacgggtcc	60
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attgacactt	tcgagaatat	taaaatcaaa	ttagagaaga	aaactgatcc	ataataataa	240
aaatgtctcg	aaaaatttca	aaggagtcaa	aaaaagtga	catctctagt	tctctggaat	300
ctgaagatat	tagtttagaa	acaacagttc	ctacggatga	tatttcctca	tcagaagagc	360
gagagggcaa	agtcagaatc	accaggcagc	taattgaacg	aaaagactac	ttcataatat	420
tcagttacta	aaaattgagc	tatcccagaa	aactatgatg	atcgacaatt	tgaaagtgga	480
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<210> 9

<211> 415

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(415)

<223> n = A,T,C or G

<400> 9

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gaagaacaag	aagagaacct	tgaagcaagt	ggagactata	aatattcagg	aagagatagt	180
ttgatttttt	tggttgatgc	ctccaaggct	atgtttgaat	ctcagagtga	agatgagttg	240
acaccttttg	acatgagcat	ccagtggtatc	caaagtgtgt	acatcagtaa	gatcataaagc	300
agtgatcgag	atctcttggc	tgtggtgttc	tatggtaccg	agaaagacaa	aaattcantg	360
aattttaaaa	atatttacct	cttacaggag	ctggataatt	caggtgcaaa	acnaa	415

<210> 10
 <211> 565
 <212> DNA
 <213> Homo sapien

<400> 10	
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tgcagaagct	tgctggccaa
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ttgcatgact	gtggttcaga
gcggctggaa	gttggaacag
gatgcagctg	tttgaagagt
atgctatgga	ggcacagctg
ggatggacgg	tatgccctgg
caagctttgtg	cccgaaggag
cacacagctc	tttcaccatg
aagatgtggg	aattgttgcc
atattgatgt	gtagatgctg
ctgcacagat	agagaagata
atcttatgga	gagaaataac
agacaatcat	cgacaaatca
ctggttcaaa	tgctgttaac
ctgtcttcaa	tggattgagt
ctgtcttcaa	ccagctcttg
gagacctgga	
cctggatcac	ttcctttgaa
cttgagatct	attttccttc
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ttaactctct	
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agactaattt	
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ccagctcttg	

<210> 11
 <211> 505
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(505)
 <223> n = A,T,C or G

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taaacaagga	caatccggtt
gccgtcaggt	acagagggca
tangaggctt	taccanaagg
ctgaggactg	gttctgcaca
ttgtaacaaa	ttaaaaccta
acagactcgg	ggtgctggca
ccagtcctcc	gggcatggca
gacgttaagt	tgggtgacac
tgtctcaata	agtgcacca
gacaacgcac	gctgacatca
caggaactgc	tgtcctttca
gctggtgggc	aagtaagatt
ttcttcaagg	actttgacat
acgcctccca	
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agcagaccct	
taccangttt	
gaaacagcat	
ttgtttattc	

<210> 12
 <211> 513
 <212> DNA
 <213> Homo sapien

<400> 12	
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cgatgtccgg	ggagtcagcc
gatccgcac	tacagcatga
aggagcttgg	ggaagggaag
ggttctgccc	

gtttgctgag	aggacgcgtc	tagtcctgaa	ggccaaggga	atcaggcatg	aagtcatcaa	180
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gaagatgac	ttagagttgt	tttctaaggt	gccatccttg	gtaggaagct	ttattagaag	420
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agaggagggt	ctgactaata	agaagacgac	ctt			513

<210> 13
 <211> 375
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(375)
 <223> n = A,T,C or G

<400> 13						
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tgacagcctt	gtccgcgagt	gcccggggat	agaaccctgt	tgcgtggacc	tgggtgactg	240
ggaggccacc	gancgggcgc	tgggcaacgt	gggcccctgt	gacctgctgg	tgaacaacgc	300
ccctgtcccc	tgcttcaacc	ctttctggaa	gtcaccaaag	aagcctttga	cagatccttt	360
taagtgaacc	tgctg					375

<210> 14
 <211> 298
 <212> DNA
 <213> Homo sapien

<400> 14						
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taatatagga	aggtgttctt	taggtatgtt	acaggattac	tttaaaccat	ttgactttcg	120
ctccaaagtt	atgttggtag	tatagcaa	tatgatgaat	agctttaatt	gtatgtttaa	180
aagtctcata	tgttcacatg	cttaaactct	ggtatcagaa	tttaagcaat	tcttgaatg	240
tattgtctcc	ttaatatact	aattacaaag	caaaaaaaaa	aaaaaaaaaa	aactcgag	298

<210> 15
 <211> 506
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(506)
 <223> n = A,T,C or G

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gtagaagacc	ttggctccaa	gatactctc	acctgctcct	tgaatgacag	cgccacagag	180
gtcacagggc	accgctggct	gaaggggggc	gtggtgctga	aggaggacgc	gctgcccgcc	240

cagaaaacgg	agttcaaggt	ggactccgac	gaccagtggg	gagagtactc	ctgcgtcttc	300
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tgtgaagtcg	tcaagaacac	atcaacgagg	gggagacggc	catgctggtc	tgcaagtcag	420
agtccgtgcc	accttgctac	ttgactgggc	ctggtacaaa	gatcacttga	cttttgaagg	480
acaaggeect	tattgaaccg	gcttcc				506

<210> 16
 <211> 286
 <212> DNA
 <213> Homo sapien

<400> 16						
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tttatttttg	ctttgttttt	aatgaacatt	tgtcttttcag	aataggattg	tgtgataatg	180
tttaaatggc	aaaaacaaaa	catgattttg	tgcaattaac	aaagctactg	caagaaaaat	240
aaaacacttc	ttggtaacac	aaaaaaaaaa	aaaaaaaaaa	ctcgag		286

<210> 17
 <211> 387
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(387)
 <223> n = A,T,C or G

<400> 17						
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cccaagggtta	cttacaaga	tccagttcca	acagggggaag	tatatatttg	tgattctttt	300
gacagaggaa	ctctgtcagg	gtggatttta	tccaaagcca	agaaagacna	tcccgatgat	360
gaaattgcc	aatatgatgg	aaagtgg				387

<210> 18
 <211> 415
 <212> DNA
 <213> Homo sapien

<400> 18						
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aaaccgaggg	cgatgaagaa	gcagaggaag	aacaagaaga	gaaccttgaa	gcaagtggag	120
actataaata	ttcaggaaga	gatagtttga	tttttttggg	tgatgcctcc	aaggctatgt	180
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gtacccgaga	aagacaaaaa	ttcagtgaat	tttaaaaaata	tttacgtctt	acaggagctg	360
gataatccag	gtgcaaaaacg	aattctagac	tttgccagtt	taaggggcag	caggg	415

<210> 19
 <211> 466
 <212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(466)

<223> n = A,T,C or G

<400> 19

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cccgcctttc	cgaagaagga	ctcancaaga	agggcaagaa	gccgccttca	aaacccgaaa	360
gggaaaaccg	aagccagaat	gaaaaagtgg	gaaaaacttt	tgaaagcttg	cccgtgccat	420
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<210> 20

<211> 296

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(296)

<223> n = A,T,C or G

<400> 20

gaattcggca	cnaggtggtg	tgtggctgcg	gcctgggcaa	gagccgcgcg	ggaccatgag	60
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tgtgagctag	agtgaagcag	aaatctagga	agatgagctc	caagatggtc	ataagtgaac	180
caggactgaa	ttgggatatt	tccccaaaa	atggccttaa	gacatttttc	tctcagaaaa	240
ttataaagat	cattccatgg	cttccaagtt	taaaaagaac	ttacgtggtt	tttacc	296

<210> 21

<211> 328

<212> DNA

<213> Homo sapien

<400> 21

gaattcggca	cgagcccgcg	ctgcaacttg	tgcgcgcgtg	actggaggag	cgagccccc	60
cattttcttt	atgtggttgt	ggtgggggca	cagtaatgcc	ctgtgcgcgc	tagcgttctt	120
gtggggatgt	ggccgggggg	cgtcggaag	cgtcactgct	tgatgtccga	gctcagcgat	180
gaagccagcg	agccggaact	cctgaaccgc	agcttgtcca	tgtggcacgg	gctcgggaca	240
caggtcagcg	gggaggagct	ggatgtcccc	ctggatcttc	acacagctgc	ttcattggcc	300
agtatgaagt	ggtgaaggaa	tgtgtgca				328

<210> 22

<211> 466

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(466)

<223> n = A,T,C or G

<400> 22

gaattcggca	cgaggcggac	taataaaggc	catggcgcca	gcagaaatcc	tgaacgggaa	60
ggagatctcc	gcgcaaataa	gggcgagact	gaaaaatcaa	gtcactcagt	tgaaggagca	120
agtacctggt	ttcacaccac	gcctggcaat	attacagggt	ggcaacagag	atgattccaa	180
tctttatata	aatgtgaagc	tgaaggctgc	tgaagagatt	gggatcaaag	ccactcacat	240
taagttacca	agaacaacca	cagaatctga	ggtgatgaag	tacattacat	ctttgaatga	300
agactctact	gtacatgggt	tcttagtgca	gctaccttta	gattcagaga	attccattaa	360
cactgaagaa	gtgatcaatg	ctattgcacc	cganaaggat	gtggatggat	tgactagcat	420
caatgctggg	aaacttgcta	gaggtgacct	caatgactgt	ttcatt		466

<210> 23

<211> 517

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(517)

<223> n = A,T,C or G

<400> 23

gaattcggca	cgagcagagg	tctccagagc	cttctctctc	ctgtgcaaaa	tggcaactct	60
taaggaaaaa	ctcattgcac	cagttgcgga	agaagaggca	acagttccaa	acaataagat	120
cactgtagtg	ggtgttggac	aagttggtat	ggcgtgtgct	atcagcattc	tgggaaagtc	180
tctggctgat	gaacttgctc	ttgtggatgt	tttggaagat	aagcttaaag	gagaaatgat	240
ggatctgcag	catgggagct	tatttcttca	gacacctaaa	attgtggcag	ataaagatta	300
ttctgtgacc	gccaatctta	agattgtagt	ggtaactgca	ggagtccgtc	agcaagaagg	360
ggagagtccg	ctcaatctgg	tgcagagaaa	tgttaatgtc	ttcaaattca	ttattcctca	420
gacgtcaag	tacagtcttg	attgcatcat	aattgtggnt	tccaacccag	tggacattct	480
taogtatgtt	acctggaac	taagtggatt	acccaaa			517

<210> 24

<211> 196

<212> DNA

<213> Homo sapien

<400> 24

gaattcggca	cgagggtggc	actatgtggc	gcgtctgtgc	gcgacgggct	cagaatgtag	60
ccccatgggc	gggactcgag	gctcggtgga	cggccttgca	ggaggtaccc	ggaactccac	120
gagtgacctc	gcgatctggc	cgggctcccc	ctcgtcgcaa	cagcgtgact	acagggtatg	180
gcggggtccg	ggcact					196

<210> 25

<211> 365

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(365)

<223> n = A,T,C or G

<210> 29
 <211> 512
 <212> DNA
 <213> Homo sapien

<400> 29
 gaattcggca cgagcaacct tgtaaatgtg aaagtacaac tcgtatttat ctctgatgtg 60
 ccgctggctg aactttgggt tcatttgggg tcaaagccag tttttctttt aaaattgaat 120
 tcattctgat gcttggcccc cataccccc accttgtcca gtggagccca acttctaaag 180
 gtcaatatat catccttttg catcccaact aacaataaag agtaggctat aagggaagat 240
 tgtcaatatt ttgtggtaag aaaagctaca gtcatttttt ctttgcaact tggatgctga 300
 aatttttccc atggaacata gccacatcta gatagatgtg agctttttct tctgttaaaa 360
 ttattcttaa tgtctgtaaa aacgattttt ttctgtagaa tgtttgactt cgtattgacc 420
 cttatctgta aaacacctat ttgggataat atttgaaaa aaagtaaata gctttttcaa 480
 aatgaaaaaa aaaaaaaaaa aaaaaactcg ag 512

<210> 30
 <211> 464
 <212> DNA
 <213> Homo sapien

<400> 30
 gaattcggca cgaggccagg tgggcagccc gcggaaccgac ccctactcgg cggcgcaact 60
 ccacaaccag tacggccccc tgaatatgaa catgggtatg aacatggcag cagccgaggc 120
 ccaccaccac caccaccacc accaccaccc cggtgccctt tcccgcgtat atgcggcagc 180
 agtgcataca gcaggagcta atctgcaagt ggatcgaccc cgagcaactg agcaatccca 240
 agaagagctg caacaaaact ttcagcacca tgcacgagct ggtgacacac gtctcggtgg 300
 agcacgtcgg cggcccgagg cagagcaacc acgtctgctt ctgggaggag tgtccgcgag 360
 agggcaagcc cttcaaggcc aaatacaaac tggtaacca catccgcgtg cacacaggcg 420
 agaaaccctt cccctgcccc ttcccggtg gtggcaaaagt cttc 464

<210> 31
 <211> 317
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)... (317)
 <223> n = A, T, C or G

<400> 31
 gaattcggca cgagcagagg tgagcaagct ggaacagcaa tgccagaagc agcaggagca 60
 ggctgacagc ctggaacgca gcctcgaggc tgagcggggc tcccgggctg agcgggacag 120
 tgctctggag actctgcagg gccagttaga ggagaaggcc cangagctag ggcacagtca 180
 gagtgacctt gcctcggccc aacgggagtt ggctgccttc cgcaccaagg tacaagacca 240
 cagcaaggct gaagatgagt ggaaggccca gttggcccgg ggccggcaag aggctganag 300
 gaaaaatagc ctcatca 317

<210> 32
 <211> 275
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(275)
 <223> n = A,T,C or G

<400> 32
 gaattcggca cgagcgaagg aggcaggagg ctccagacac tcggaagcct ttgaggcact 60
 ccagcaaaag agtcagggac tggactccag gctccagcac gtggaggatg ggggtgctctc 120
 catgcaggtg gcttctgcgc gccagaccga gagcctggag tccctcctgt ncaagagcca 180
 ggagcacgag cagcgccctgg ccgccttgca ggggcgcctg gaaggcctcg ggtcctcata 240
 ggcanaccan gatggcctgc cagcacgggtg aggag 275

<210> 33
 <211> 516
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(516)
 <223> n = A,T,C or G

<400> 33
 gaattcggca cgaggggggcc tgggcggttga ctgtgggaaa ctcggaaca agctcacatc 60
 ttctgttggg aaaccttcta gcaacaggat gagtctgcag tggactgcag ttgccacctt 120
 cctctatgcg gaggtctttg ttgtgttgct tctctgcatt tccttcattt ctctaaaaag 180
 atggcagaag attttcaagt cecggctggg ggagttgtta gtgtcctatg gcaacacctt 240
 ctttgtggtt ctcatgttca tccttgtgct gttgggtcatc gatgccgtgc gcgaaattcg 300
 gaagtatgat gatgtgacgg aaaagggtgaa cctccagaac aatcccgggg ccatggagca 360
 cttccacatg aagnttttcc gtgcccagag gaatctctac attgctggct tttccttgct 420
 gctgtccttc ctgcttagac gcctggtgac tctcatttcc aacaggccac gctgctggcc 480
 ttcaatgaac ctttaaaaaa aggcgagag tncat 516

<210> 34
 <211> 446
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(446)
 <223> n = A,T,C or G

<400> 34
 gaattcggca cgagacagaa atgnctaaag aagagaagga ccctggaatg ggtgcaatgg 60
 gtggaatggg aggtggtatg ggaggtggca tgttctaact cctagactag tgctttacct 120
 ttattaatga actgtgacag gaagcccaag gcagtgttcc tcccaataac ttcagagaag 180
 tcanttgagg aaaatgaaga aaaaggctgg ctgaaaatca ctataaccat cagtactgg 240
 tttcagttga caaaatatat aatggtttac tgctgtcatt gtccatgcct acagataatt 300
 tatttttgtat ttttgaataa aaaacatttg tacattcctg atactgggta caagagccat 360
 gtaccagtgt actgctttca acttaaatca ctgaggcatt tttactacta ttctgttaaa 420
 atcaggattt tagtgcttgc ccccca 446

<400> 25

gaattcggca	cgagggttggg	cggtgctggt	ttttcgctcg	tgcactgcgg	ctcttctctg	60
ggcagcggaa	gcggcgcggc	ggtcggagaa	gtggcctaaa	acttcggcgt	tgggtgaaag	120
aaaatggccc	gaaccaagca	gactgctcgt	aagtcaccg	gtgggaaagc	cccccgcaaa	180
cagctggcca	cgaaaagccg	caggaaaagc	gctccctcta	ccggcggggt	gaagaagcct	240
catcgctaca	ggcccgggac	cgtggcgctt	cganagattc	gtcgttatca	gaagtgcacc	300
gagctgctca	tccggaagct	gcccttccag	angttggtga	gggagatcgc	gcaggatttc	360
aaaac						365

<210> 26

<211> 321

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)... (321)

<223> n = A,T,C or G

<400> 26

ctcgagtttt	tttttttttt	tttttttgta	cgaaatggct	aagtttattc	aacatctcgg	60
atattcatct	ggatattggg	tttgttttgt	gatacaatac	atattcacct	taactgggtgc	120
tactgcaaag	aaagctttct	tgacctgcat	gacgtgcctc	anagcttctc	tccaccaatt	180
ggaaccaccc	aaagcctagt	ctanacccaa	gtgctctgga	gaaaaaaaaa	aaaacaaaaa	240
aacagcaaac	agaaaacagt	tgtgccccca	aaagtactca	gaagtcatat	gttattttaca	300
attgggtttg	tgtgggatgg	g				321

<210> 27

<211> 454

<212> DNA

<213> Homo sapien

<400> 27

gaattcggca	cgagcaagga	tgaggagaac	aatccccttg	agacagaata	tggcctttct	60
gtctacaagg	atcaccagac	catcaccatc	caggagatgc	cggagaaggc	cccagccggc	120
cagctcccc	gctctgtgga	cgtcattctg	gatgatgact	tgggtggataa	agcgaagcct	180
ggtgaccggg	ttcagggtgg	gggaacctac	cgttgccctc	ctggaaagaa	gggaggctac	240
acctctggga	ccttcaggac	tgtcctgatt	gcctgtaatg	ttaagcagat	gagcaaagga	300
tgctcagccc	tctttctctg	ctgaggatat	agccaagatc	aagaagttca	gtaaaaccog	360
atccaaggat	atctttgacc	atctggccaa	gtcattggcc	ccaagtatcc	atgggcataga	420
ctatgtcaag	aaagcaatcc	tctgcttgct	cttg			454

<210> 28

<211> 285

<212> DNA

<213> Homo sapien

<400> 28

gaattcggca	cgagggttgg	ctgaaattca	tgcaagcttc	cgaagatctt	ctcaaggaac	60
actacgttga	octgaaggac	cgtccattct	ttgccggcct	ggtgaaatac	atgcactcag	120
ggccggtagt	tgccatggtc	tgggaggggc	tgaatgtggt	gaaaacgggc	cgagtcatgc	180
tcggggagac	caaccctgca	gactccaagc	ctgggaccat	ccgtggagac	ttctgcatac	240
aagttggcag	gaacattata	catggcagtg	attctgtgga	gagtg		285

<210> 35
 <211> 440
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(440)
 <223> n = A,T,C or G

<400> 35
 gaattcggca cgaggtttat ttgtcccccac cagaaggttg ggggtgggcgg gcctagaaca 60
 cagcgtgcgg cgggttcccc ggtggagcca gcgcagacag cgtgggtccc tgcggtcttt 120
 angcgaaggt ggagttgttc cancccacat tggcccgctg ttcattgtcg taatagttga 180
 tgtagaccct gtccgggctg atgctgcaggc gctctgccag caggccgcac agcagcttgc 240
 tgtaggagcg gttctgcgcg ccgccgatct tgccgatgct gtgcangctg canagcgcgc 300
 acggctcgct ggagccgcgg aaggccatga gctggtccgg gaccacgtgc accgctatgt 360
 actggggggg cttgccggtg gcttgcgcca nctgctgggt gagctcggag aggaaccgtc 420
 cggcacggag gcgcggggca 440

<210> 36
 <211> 373
 <212> DNA
 <213> Homo sapien

<400> 36
 gaattcggca cgaggccaaa cgtaccaaga aagtcgggat cgtcggtaaa tacgggaccc 60
 gctatggggc ctccctccgg aaaatggtga agaaaattga aatcagccag cagcccaagt 120
 acacttgctc tttctgtggc aaaaccaaga tgaagagacg agctgtgggg atctggcact 180
 gtggttctct catgaagaca gtggtctggc gtgcctggac gtacaatacc acttccgctg 240
 tcacggtaaa gtccgccatc agaagactga aggagttgaa agaccagtag acgctcctct 300
 actctttgag acatcactgg cctataataa atgggttaat ttatgtaaca aaaaaaaaaa 360
 aaaaaaactc gag 373

<210> 37
 <211> 565
 <212> DNA
 <213> Homo sapien

<400> 37
 gaattcggca cgagggggca cgggcacccc cgcggtcccc gggaggctag agatcatgga 60
 agggaagtgg ttgctgtgta tgttactggt gcttggaaact gctattgttg aggctcatga 120
 tggacatgat gatgatgtga ttgatattga ggatgacctt gacgatgtca ttgaagaggt 180
 agaagactca aaaccagata ccaactgctcc tccttcactc cccaagggtta cttacaaagc 240
 tccagttcca acaggggaag tatattttgc tgattctttt gacagaggaa ctctgtcagg 300
 gtggatttta tccaaagcca agaaagacga taccgatgat gaaattgcca aatatgatgg 360
 aaagtgggag gtagaggaaa tgaaggagtc aaagcttcca ggtgataaag gacttgtgtt 420
 gatgtctcgg gccaaagcat atgccatctc tgctaaactg aacaagccct tcctgtttga 480
 caccaagcct ctcttgttca gtatgaggtt aatttccaaa atggaataga atgtggtggt 540
 gcctatgtga aactgctttc taaaa 565

<210> 38
 <211> 566
 <212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(566)

<223> n = A,T,C or G

<400> 38

gaattcggca	cgagcccaac	tttagccagg	aagatcagca	ggacacccag	atttatgaga	60
agcatgacaa	ccttctacat	gggaccaaga	agaaaaagga	gaagatggtg	agtgcagcat	120
tcatgaagaa	gtacatccat	gtggccaaaa	tcatcaagcc	tgtcctgaca	caggagtcgg	180
ccacctacat	tgcagaagag	tattcacgcc	tgcgcagcca	ggatagcatg	agctcagaca	240
ccgccaggac	atctccagtt	acagcccga	cactggaaac	tctgattcga	ctggccacag	300
cccatgcgaa	ggcccgcgatg	agcaagactg	tggacctgca	ggatgcagag	gaagctgtgg	360
agttggtcca	gtatgcttac	tttaagaagg	ttctggagaa	ggagaagaaa	cgtaagaagc	420
gaagtgagga	tgaatcagag	acagaagatg	aagaggagaa	aagccaagag	gaccaggagc	480
agaagaggaa	gagaaggaag	actcgccagc	cagatgccaa	agatggggat	tcatacgacc	540
cctatgactt	cagtgcacaca	gaggan				566

<210> 39

<211> 364

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(364)

<223> n = A,T,C or G

<400> 39

gaattcggca	cgaggtctca	cagaaagtto	tccgctccca	gacatgggtc	cctcggttc	60
ctgcctcgga	agcgcagcag	caggcatcgt	gggaagggtga	agagcttccc	taaggatgac	120
ccgtccaagc	cggtccacct	cacagccttc	ctgggataca	aggctggcat	gactcacatc	180
gtgcgggaag	tcgacaggcc	gggatccaag	gtgaacaaga	aggaggtggt	ggaggctgtg	240
accattgtag	agacaccacc	catggtggtt	gtgggcattg	tgggctacgt	ggaaaccctt	300
ngaggcctcc	ggacctttaa	gactgtcttt	gcttgagcac	atcantgatg	aatgcaagag	360
gcgt						364

<210> 40

<211> 336

<212> DNA

<213> Homo sapien

<400> 40

gaattcggca	cgagcccaga	tctcctaccc	agcctcccag	ggggcctact	acatccctgg	60
acagggggcgt	tccacatacg	ttgtcccgac	acagcagtac	cctgtgcagc	caggagcccc	120
aggcttctat	ccagggtgcaa	gccctacaga	atttgggacc	tacgctggcg	cctactatcc	180
agcccaaggg	gtgcagcagt	ttcccactgg	cgtggccccc	gccccagttt	tgatgaacca	240
gocaccccag	attgctccca	agagggagcg	taagacgac	cgaattcgag	atccaaacca	300
aggaggaaaag	gatatcacag	aggagatcat	gtctgg			336

<210> 41

<211> 566

<212> DNA

<213> Homo sapien

<400> 41

gaattcggca	cgagacttgg	gaaaatgaat	tcagaggagg	aagatgaagt	gtggcagggtg	60
atcataggag	ccagagctga	gatgacttca	aaacaccaag	agtacttgaa	gctggaaaacc	120
acttggatga	ctgcagttgg	tctttcagag	atggcagcag	aagctgcata	tcaaactggc	180
gcagatcagg	cctctataac	cgccaggaat	cacattcagc	tggtgaaact	gcaggtggaa	240
gaggtgcacc	agctctcccc	gaaagcagaa	accaagctgg	cagaagcaca	gatagaagag	300
ctccgtcaga	aaacacagga	ggaaggggag	gagcgggctg	agtcggagca	ggaggcctac	360
ctgcgtgagg	attgagggcc	tgagcacact	gccctgtctc	cccactcagt	ggggaaagca	420
ggggcagatg	ccaccctgcc	cagggttggc	atgactgtct	gtgcaccgag	aagaggcggc	480
aggtcctgcc	ctgccaatca	ggcgagacgc	ctttgtgagc	tgtgagtgcc	tcctgtggtc	540
tcaggcttgc	gcttggacct	ggttct				566

<210> 42

<211> 386

<212> DNA

<213> Homo sapien

<400> 42

gaattcggca	cgagggcagc	tcgagtcac	cagcagcgcc	gtccgcttga	ccgagatgct	60
gcgggcctgt	cagttatcgg	gtgtgaccgc	cgccgcccag	agttgtctct	gtgggaagtt	120
tgtcctcctg	ccattgcgac	catgccgcag	atactctact	tcaggcagct	ctgggttgac	180
tactggcaaa	attgctggag	ctggcctttt	gtttgttgg	ggaggtattg	gtggcactat	240
cctatatgcc	aaatgggatt	cccatttccg	ggaaagtgtg	gagaaaacca	taccttactc	300
agacaaactc	ttcgagatgg	ttcttgggcc	tcgagcttat	aatgttccat	tgccaaagaa	360
atcgattcaa	gtcgggtcca	ctaaaa				386

<210> 43

<211> 514

<212> DNA

<213> Homo sapien

<400> 43

gaattcggca	cgagggcaaa	acctccacct	cctgatgaat	ttcttgactg	tttccaaaag	60
tttaaacacg	gatttaacct	tctggccaaa	ctgaagtctc	atattcagaa	tcctagtgtc	120
gcagatttgg	ttcacttttt	gtttactcca	ttaaatatgg	tggtgcaggc	aacaggaggt	180
cctgaactag	ccagttcagt	acttagtccc	ctattgaata	aggacacaat	tgatttctta	240
aattatactg	tcaatggtga	tgaacggcag	ctgtggatgt	cattgggagg	aacttggatg	300
aaagccagag	cagagtggcc	aaaagaacag	tttattccac	catatgttcc	acgattccgc	360
aatggctggg	agcccccaat	gctgaacttt	atgggagcca	caatggaaca	agatctttat	420
caactggcag	aatctgtggc	aaatgtagca	gaacatcagc	gcaaacagga	aataaaaaaga	480
ttatcccaga	gcatttcagt	gtatcagaat	atta			514

<210> 44

<211> 467

<212> DNA

<213> Homo sapien

<400> 44

gaattcggca	cgagactaga	gccgcatcac	atggggactt	ctgcaaatac	agagactcgg	60
attaaagggtg	gagaagatgg	agctaaaagg	actgcttatt	taatacattt	gaacaacttt	120
tggggctactt	agaagggtgt	ttgaaacctg	catttgatta	agcaagaatt	cgcttgcaag	180
ttaaggggca	ctccacagaa	ggatgttatt	atcaagtcag	atgcaccgga	cactttgtta	240

ttggagaaac	atgcagatta	tatgcgcatcc	tatggctcaa	agaaagatga	ttatgaatac	300
tgtatgtctg	agtatttgag	aatgagtggc	atctattggg	gtctgacagt	aatggatctc	360
atgggacaac	ttcatcgcat	gaatagagaa	gagattctgg	catttattaa	gtcttgccaa	420
catgaatgtg	gtggaataag	tgctagtatc	ggacatgato	ctcatct		467

<210> 45

<211> 344

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(344)

<223> n = A,T,C or G

<400> 45

gaattcggca	cgaggggagac	tggaggaaga	gctccgccag	ctgaagtccg	attcccacgg	60
gccgaaggag	gacggaggct	tcagacactc	ggaagccttt	gaggcactcc	agcaaaagag	120
tcagggactg	gactccaggc	tcagcacagt	ggaggatggg	gtgctctcca	tgcaagtggc	180
ttctgcgcgc	cagaccgaga	gcctggagtc	cctcctgtcc	aagaaccagg	aacacgagca	240
gcgcctggcc	gcctgcaggg	gcgcctggaa	agcctcgggt	cctcagaagc	agaccangat	300
ggcctgccag	cacngtgagg	agcctggggc	agaccagct	ggtg		344

<210> 46

<211> 303

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(303)

<223> n = A,T,C or G

<400> 46

gaattcggca	cgagngggaa	cacaagtatg	tgccaccaca	ccttggtaac	ttttaaatg	60
tttttagata	tgaggtctga	ccatgtttgc	catgccatta	ttattccttt	tgataaagg	120
gaatttaggc	taaactgtga	aagaatgtac	agcaaattgg	tctgttaatt	cttctcatag	180
gaggacaggt	tactgttaat	agagaacata	tgtatgtaat	ggctaaaaat	agggcagtag	240
aaaaggaatg	taactttctc	cctcctttga	gaatgnaaag	aaagaaagaa	aaaaggatgg	300
tac						303

<210> 47

<211> 364

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(364)

<223> n = A,T,C or G

<400> 47

gaattcggca	cgaganatag	ttcctttctc	taaagtggat	gaggaacaaa	tgaaatataa	60
atcggagggg	aagtgtctct	ctgttttggg	attttgtaaa	tcttctcagg	ttcagagaag	120

attcttcatg	ggaaatcaag	ttctaaaggt	ctttgcagca	agagatgatg	aggcagctgc	180
agttgcactt	tcctccctga	ttcatgcttt	ggatgactta	gacatgggtg	ccatagttcg	240
atatgcttat	gacaaaagag	ctaatacctca	agtcggcggtg	gcttttcctc	atatcaagca	300
taactatgag	tgtttagtgt	atgtgcagct	gcctttcatg	gaagacttgc	ggcaatacat	360
gttt						364

<210> 48
 <211> 284
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(284)
 <223> n = A,T,C or G

<400> 48						
gaattcggca	cgagagcagc	tggaggcact	ggagaaggag	aaggctgcc	agctggagat	60
tctgcagcag	caacttcagg	tggctaata	agcccgggac	agtgccaga	cctcagtgac	120
acaggcccag	cgggagaagg	cagagctgag	ccggaagggtg	gaggaaactcc	aggcctgtgt	180
tgagacagcc	cgccaggaac	agcatgaggc	ccaggcccag	gttgcagagc	tagagttgca	240
gctgcggtct	gagcagcaaa	aagcaactga	ganagaaagg	gtgg		284

<210> 49
 <211> 313
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(313)
 <223> n = A,T,C or G

<400> 49						
gaattcggca	cgaggtttat	tatagctcat	acctgggacc	gattaagggtg	tcaacatttt	60
aaaattactc	aagatattaa	ccagaaaaga	tgattatggc	ctttaaaaact	attggacaaa	120
ctgatgctat	ttaacattgt	tcacagccat	ttaatttgaa	taacaaattt	tagattctaa	180
gtaggccata	acttctttgc	aaaacaattg	atattataaag	gtacagtttc	agaaggnaac	240
agcatgagac	tagtcttcct	ataggcacat	tttagtagac	tgctcttctc	atccctggtc	300
aaggagcttc	tct					313

<210> 50
 <211> 522
 <212> DNA
 <213> Homo sapien

<400> 50						
gaattcggca	cgagggacag	ccaacaaaag	cagcttcttg	aagttcaact	tcagcaaaat	60
aaggagctgg	aaaataaata	tgctaaatta	gaagaaaagc	tgaaggaatc	tgaggaagca	120
aatgaggatc	tgcgagggtc	ctttaatgcc	ctacaagaag	agaaacaaga	tttatctaaa	180
gagattgaga	gtttgaaagt	atctatatcc	cagctaacaa	gacaagtaac	agccttgcaa	240
gaagaaggta	ctttaggact	ctatcatgcc	cagttaaaag	taaaagaaga	agaggtacac	300
aggttaagt	ctttgttttc	ctcctctcaa	aagagaattg	cagaactgga	agaagaattg	360
gtttgtgttc	aaaaggaagc	tgccaagaag	gtaggtgaaa	ttgaagataa	actgaagaaa	420

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gaattaaagc atcttcatca tgatgcaggg ataatgagaa atgaaactga aacagcagaa 480
gagagagtgg cagagctagc aagagatttg gtggagatgg aa 522
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<210> 51
<211> 463
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(463)
<223> n = A,T,C or G
```

```
<400> 51
gaattcggca cgaggagcac ttccggtcct cgcgcgctcg cgtcccctcg tgcgggctcc 60
agccgcagcc ttagcttcgg ctcccggctt ggggtggcgc gccgtgccct cgttttgccc 120
tccgaacgcg gctcgaatgg caagccaaaa ttccctcccg atagaatatg atacctttgg 180
tgaactaaag gtgccaaatg ataagtatta tggcgcccg accgtgagat ctacgatgaa 240
ctttaagatt ggaggtgtga cagaacgcac gccaacccca gttattaaag cttttggcat 300
cttgaagcga gcggccgctg aagtaaacca ggattatggt cttgatccaa agattgctan 360
tgcaataatg aaggcagcag angaggtagc tgaaggtaaa ttaaatgatc attttctct 420
cgtggtatgg cagactggat caggaactca gacaaatatg aat 463
```

```
<210> 52
<211> 423
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(423)
<223> n = A,T,C or G
```

```
<400> 52
gaattcggca cgagaaagcg cagccgagcc cagcgccccg cactttttctg agcagacgtc 60
cagagcagag tcagccagca tgaccgagcg ccgcgtcccc ttctcgtctc tgcggggccc 120
cagctgggac cccttcgcg actggtaccc gcatagccgc ctcttcgacc aggccttcgg 180
gctgcccccg ctgccggagg agtggtcgca gtggttaggc ggcagcagct ggccaggcta 240
cgtgcgcccc ctgccccccg ccgccatcga gagccccgca gtggccgcgc ccgcctacag 300
ccgcgcgctc agccggcaac tcagcagcgg ggtctcgag atccggcaca ctgcggaccg 360
ctggcgcgctg tccctggatg tcaaccactt cgccccggac gagctgacgg tcaagaccaa 420
nga 423
```

```
<210> 53
<211> 474
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(474)
<223> n = A,T,C or G
```

```
<400> 53
```

gaattcggca	cgagggaato	tctacattgc	tggtttttcc	ttgctgctgt	ccttcctgct	60
tagacgcctg	gtgactctca	tttcgcagca	ggccacgctg	ctggcctcca	atgaagcctt	120
taaaaagcag	gcggagagtg	ctagtgaggc	ggccaagang	tacatggagg	agaatgacca	180
gctcaagaan	ggagctgctg	ttgacggagg	caagttggat	gtcgggaatg	ctgaggtgaa	240
gttggaggaa	gagaacagga	gcctgaaggc	tgacctgcag	aagctaaagg	acgagctggc	300
cagcactaag	caaaaactag	agaaagctga	aaaccagggt	ctggccatgc	ggaagcagtc	360
tgagggcctc	accaaggagt	acgaccgctt	gctggaggag	cacgcaaagc	tgcaggctgc	420
agtagatggt	cccatggaca	agaagggaaga	gtaagggcct	tccttcctcc	cctg	474

<210> 54
 <211> 473
 <212> DNA
 <213> Homo sapien

<400> 54						
gaattcggca	cgagctcgtg	ccgaatcggc	acgagggatc	ggtcgcctga	gaggtatcac	60
ctcttctggg	ctcaagatgg	acaacaagaa	gcgcctggcc	tacgccatca	tccagttcct	120
gcatgaccag	ctccggcacg	ggggcctctc	gtccgatgct	caggagagct	tggaaagtcg	180
catccagtgc	ctgggagactg	cgtttggggg	gacggtagaa	gacagtgacc	ttgcgctccc	240
tcagactctg	ccggagatat	ttgaagcggc	tgccacgggc	aaggagatgc	cgcaggacct	300
gaggagccca	gcgcgaacce	cgccttccga	ggaggactca	gcagaggcag	agcgcctcaa	360
aaccgaagga	aacgagcaga	tgaaagtggg	aaactttgaa	gctgccgtgc	atttctacgg	420
aaaagccatc	gagctcaacc	cagccaacgc	cgtctatttc	tgcaacagaa	gcc	473

<210> 55
 <211> 365
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(365)
 <223> n = A,T,C or G

<400> 55						
gaattcggca	cgagtgattg	aggatcagtt	gggtgccaga	cactctctta	ggtgtcagag	60
ctccagttta	cattacacag	ataaggtccc	tgccccccag	cgaagctggc	attaaagtca	120
gcaaataaat	gttcaggatt	ttgataagtg	ctgtaaagga	aaaaagacct	gtaacagggt	180
ggaatgactg	gggagggggc	gaggctctat	ctaggcaggg	atggaccaga	cntgagagtg	240
accaggaggt	tcgagccagt	tgcagaggga	caagaaaggc	cttctgggca	ggggcactta	300
caggtacaga	gcccctgcag	cagaataagc	ttctcctacc	ggagaggcaa	aaagaaggcc	360
ttttg						365

<210> 56
 <211> 517
 <212> DNA
 <213> Homo sapien

<400> 56						
gaattcggca	cgagggacgc	cgctttgttg	cctgagatga	agttggagcc	cttgtttttg	60
acattggatc	ctatactgtg	agagctgggt	atgctgggtg	ggactgcccc	aaggtggatt	120
ttcctacagc	tattggtatg	gtggtagaaa	gagatgacgg	aagcacatta	atggaaatag	180
atggcgataa	aggcaaacaa	ggcggtccca	cctactacat	agatacta	gctctgcgtg	240
ttccgaggga	gaatatggag	gccatttcac	ctctaaaaaa	tgggatgggt	gaagactggg	300

atagttttcca	agctatttttg	gatcatacct	acaaaatgca	tgtcaaatca	gaagccagtc	360
tccatcctgt	tctcatgtca	gaggcaccgt	ggaatactag	agcaaagaga	gagaaactga	420
cagagttaat	gtttgaacac	tacaacatcc	ctgccttctt	cctttgcaaa	actgcagttt	480
tgacagcatt	tgctaattgt	ccgttctact	gggcttg			517

<210> 57
 <211> 237
 <212> DNA
 <213> Homo sapien

<400> 57	
gaattcggca	cgagctatga gatagtatta agcaattaaa agaatatatg acttttctac 60
atcaaaat	gaaacttctg tgcatacaag gacacaatca acagagtga gaggaactt 120
acagaatggg	agaaaatatt tgtaaatcat gtatctcata aggattaata tccaggctat 180
gtaaagaact	acatctcaac acaaaaacac aaacagcttg attaaaaaat gggcaaa 237

<210> 58
 <211> 485
 <212> DNA
 <213> Homo sapien

<400> 58		
gaattcggca	cgagcggggc ggtcactgcg ccggggtagt gggccccagt gttgcgctct 60	
ctggccgttc	cttacacttt gcttcaggct ccagtgcagg ggcgtagtgg gatatggcca 120	
actcgggctg	caaggacgtc acgggtccag atgaggagag ttttctgtac ttgcctacg 180	
gcagcaacct	gctgacagag aggatccacc tccgaaaccc ctccggcggg ttcttctgtg 240	
tggccgcct	gcaggatttt aagcttgact ttggcaattc ccaaggcaaa acaagtcaaa 300	
cttggcatgg	agggatagcc accatttttc agagtcctgg cgatgaagtg tggggagtag 360	
tatggaaaat	gaacaaaagc aattttaaatt ctctggatga gcaagaagg gttaaaagt 420	
gaaatgtatg	ttgtaataga agttaaaagt tgccaacttc aagaaaggaa aaaaaaata 480	
acctg		485

<210> 59
 <211> 514
 <212> DNA
 <213> Homo sapien

<400> 59		
gaattcggca	cgagtggcgt tggaggtcgg cgatatggaa gatgggcagc tttccgactc 60	
ggattccgac	atgacggtcg caccagcga caggccgctg caattgccaa aagtgtcagg 120	
tggcgacagt	gctatgaggg ccttccagaa cacggcaact gcatgtgcac cagtatcaca 180	
ttatcgagct	gttgaaagtg tggattcaag tgaagaaagt ttttctgatt cagatgatga 240	
tagctgtctt	tggaaacgca aacgacagaa atgttttaac cctcctccca aaccagagcc 300	
ttttcagttt	ggccagagca gtcagaaacc acctgttgct ggaggaaaga agattaacaa 360	
catatggggg	gctgtgctgc aggaacagaa tcaagatgca gtggccactg aacttggtat 420	
cttgggaatg	gagggcacta ttgacagaag cagacaatcc gagacctaca attatttgct 480	
tgccaagaaa	cttaggaagg aatctcaaga gcat	514

<210> 60
 <211> 336
 <212> DNA
 <213> Homo sapien

<220>

<221> misc_feature
 <222> (1)...(336)
 <223> n = A,T,C or G

<400> 60
 gaattcggca cgaggccgcc ggggtgctggt caccggggca ggcaaaggta tagggcgcg 60
 cacgggtccag gcgctgcacg cgacggggcg gcgggtgggt gctgtgagcc ggactcaggc 120
 ggatcttgac agccttgacc gcgagtgcc ggggatagaa cccgtgtgcg tggacctggg 180
 tgactgggag gccaccgagc gggcgctggg cagcgtgggc cccgtggacc tgctggtgaa 240
 caacgcgcgt gtgcacctgc tgcagccctt nctggaggtc accaaggagg cctttgacag 300
 atcctttgag gtgaacctgc gtgcggtcat ccaggt 336

<210> 61
 <211> 515
 <212> DNA
 <213> Homo sapien

<400> 61
 gaattcggca cgaggtcgcc tgagaggtat cacctcttct gggctcaaga tggacaacaa 60
 gaagcgcttg gcctacgcc tcatccagtt cctgcatgac cagctccggc acgggggcct 120
 ctgctccgat gctcaggaga gcttggaagt cgccatccag tgcctggaga ctgcgtttgg 180
 ggtgacggta gaagacagtg accttgcgct ccctcagact ctgccggaga tatttgaagc 240
 ggctgccacg ggcaaggaga tgccgcagga cctgaggagc ccagcgcgaa ccccgccctc 300
 cgaggaggac tcagcagagg cagagcgctt caaaaccgaa ggaaacgagc agatgaaagt 360
 ggaaaacttt gaagctgccg tgcatttcta cggaaaagcc atcgagctca acccagccaa 420
 cgccgtctat ttctgcaaca gagccgcagc ctacagcaaa ctcggaact acgcaggcgc 480
 ggtgcaggac tgtgagcggg ccactctgcat tgacc 515

<210> 62
 <211> 417
 <212> DNA
 <213> Homo sapien

<400> 62
 gaattcggca cgagagccaa cctcctggaa gggcacgcgc gtgctgaggt gtacccttca 60
 gccaagccaa tgatcaaatt ccaatcacc tatgaggaac agttggaaca gcagagactg 120
 gcagtgcagc aggtggagga ggcccagcag ctgcgggaac accaggaagc tttgcaccag 180
 cagaggctgc aggggcactt actacggcag caggaacagc agcagcagca ggtggcaaga 240
 gagatggccc tgcagaggca ggctgagctt gaggagggcc ggccgcagca ccaggagcag 300
 ctccggcagc aagctcatta tgatgctatg gataatgata tcgttcaggg agcagaggac 360
 cagggaatcc aaggagagga aggagcctat gaaagagaca accagcacca agatgaa 417

<210> 63
 <211> 455
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(455)
 <223> n = A,T,C or G

<400> 63
 gaattcggca cgagggccgg gcttgggctg cgtggagaat actttttgcg atgcctactg 60

gagactttga	ttcgaagccc	agttgggccc	accaggtgga	ggaggagggg	gaggacgaca	120
aatgtgtcac	cagcgagctc	ctcaagggga	tccctctggc	cacaggtgac	accagcccag	180
agccaganc	actgccggga	gctccactgc	cgcctcccaa	ggaggtcatc	aacggaaaca	240
taaagacagt	gacagagtac	aagatagatg	aggatggcaa	gaagttcaag	attgtccgca	300
ccttcaggat	tgagacccgg	aaggcttcaa	aggctgtcgc	aaggaggaag	aactggaaga	360
agttcgggaa	ctcagagttt	gacccccccg	gacccaatgt	ggccaccacc	actgtcagtg	420
acgatgtctc	tatgacgttc	atcaccagca	aagag			455

<210> 64
 <211> 517
 <212> DNA
 <213> Homo sapien

<400> 64						
gaattcggca	cgagccatgt	tggggtttgt	gggtcgggtg	gccgctgctc	cggcctccgg	60
ggccttgccg	agactcacc	cttcagcgtc	gctgcccoca	gctcagctct	tactgcgggc	120
cgtccgacg	gcgggtccatc	ctgtcaggga	ctatgcggcg	caaacatctc	cttcgccaaa	180
agcaggcgcc	gccaccgggc	gcctcgtggc	ggtcattggc	gcagtgggtg	acgtccagtt	240
tgatgaggga	ctaccaccaa	ttctaaatgc	cctggaagtg	caaggcaggg	agaccagact	300
ggttttggag	gtggcccagc	atattgggtga	gagcacagta	aggactattg	ctatggatgg	360
tacagaaggc	ttggttagag	gccagaaagt	actggattct	ggtgcaccaa	tcaaaattcc	420
tgttggtcct	gagactttgg	gcagaatcat	gaatgtcatt	ggagaaccta	ttgatgaaag	480
aggtcccatc	aaaaccaaac	aatttgctcc	cattcat			517

<210> 65
 <211> 519
 <212> DNA
 <213> Homo sapien

<400> 65						
gaattcggca	cgagtggagg	tcggcgatat	ggaagatggg	cagctttccg	actcggatcc	60
cgacatgacg	gtcgcaccca	gcgacaggcc	gctgcaattg	ccaaaagtgc	taggtggcga	120
cagtgtctatg	agggccttcc	agaacacggc	aactgcatgt	gcaccagtat	cacattatcg	180
agctgttgaa	agtgtggatt	caagtgaaga	aagtttttct	gattcagatg	atgatagctg	240
tcttttgaaa	cgcaaacgac	agaaatgttt	taaccctcct	cccaaaccag	agccttttca	300
gtttggccag	agcagtcaga	aaccacctgt	tgctggagga	aagaagatta	acaacatatg	360
gggtgctgtg	ctgcagggaac	agaatcaaga	tgcatgggcc	actgaacttg	gtatcttggg	420
aatggagggc	actattgaca	gaagcagaca	atccgagacc	tacaattatt	tgcttgccaa	480
gaaacttagg	aaggaatctc	aagagcattc	caaaagatc			519

<210> 66
 <211> 517
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(517)
 <223> n = A,T,C or G

<400> 66						
gaattcggca	cgaggggcgg	tgaggaaagc	aggaggaggt	ggcggcgggc	ggaagatggc	60
tccttcacct	accaaacgca	aagaccgctc	agatgagaag	tccaaggatc	gctcaaaaga	120
taaagggggc	accaaggagt	cgagtgaaga	ggatcgcggc	cgggacaaaa	cccgaagag	180

gcgcagcgct	tccagtggtg	gcagcagtag	caggtctcgg	tccagctcga	cttcagctc	240
aggctccagc	accagcactg	gctcaagcag	tggtccagc	tcttcctcag	catccagccg	300
ctcaggaagc	tccagcacct	cccgcagctc	cagctctagc	agctcttctg	gctctccaag	360
tccttctcgg	cgcanacacg	acaacaggag	gcgctccgcg	tccaaatcca	aaccacctaa	420
aagagatgaa	aaggagagga	aaaggcggag	cccctctcct	aagcccacca	aagtgcacat	480
tgggagactc	acccggaatg	tgacaaagga	tcacatc			517

<210> 67
 <211> 517
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(517)
 <223> n = A,T,C or G

<400> 67	gaattcggca	cgaggcgccg	tgcagcggct	gagtgtnngc	ggcggcgacg	gcaaaccggg	60
	agctgcgggc	cggcgcgcgg	gaggaggacg	cggtgcgggt	ctaggaaacg	gagctgcggg	120
	cggaggctcc	atgttgggaa	gcggcgccgt	tcgtgcttgt	tagcgggaat	ccgggagccg	180
	cggggtgagc	tggcgggggc	cgggccctaa	gtgaagatgg	aggccccgct	gcggcctgcc	240
	gcggacatcc	tgaggcggaa	cccgcagcag	gactacgaac	tcgtccagag	ggtcggcagc	300
	ggcacctacg	gggacgtcta	taaggccaga	aatgtacaca	caggagagct	ggctgcagta	360
	aaaatcatta	aattggagcc	tggagatgat	tttcttttga	ttcaacaaga	aatatttatg	420
	gttaaagaat	gtaaacattg	taacatcggt	gcctactttg	ggagttatct	tagtcgggaa	480
	aaactatgga	tttgtatgga	atactgtggt	ggcggat			517

<210> 68
 <211> 516
 <212> DNA
 <213> Homo sapien

<400> 68	gaattcggca	cgaggtcgggt	tcctgctatt	ccggtttctc	cactccgtcc	cccgcgggtc	60
	tgtctgtgtg	gccatggacg	gcattgtccc	agatatagcc	gttggtacaa	agcggggatc	120
	tgacgagctt	ttctctactt	gtgtcactaa	cggaccgttt	atcatgagca	gcaactcggc	180
	ttctgcagca	aacggaaatg	acagcaagaa	gttcaaaggt	gacagccgaa	gtgcaggcgt	240
	cccctctaga	gtgatccaca	tccggaagct	ccccatcgac	gtcacggagg	gggaagtcac	300
	ctccctgggg	ctgccctttg	ggaaggtcac	caacctcctg	atgctgaagg	ggaaaaacca	360
	ggccttcacg	gagatgaaca	cggaggaggc	tgccaacacc	atggtgaact	actacacctc	420
	ggtgaccctc	gtgctgcgcg	gccagcccat	ctacatccag	ttctccaacc	acaaggagct	480
	gaagaccgac	agctctccca	accaggcgcg	ggccca			516

<210> 69
 <211> 455
 <212> DNA
 <213> Homo sapien

<400> 69	gaattcggca	cgaggagcca	tagagcctct	gcctcgatgc	cgtttttgcc	ccgctctttg	60
	gacacgccga	cccggcgctc	cccaagggaat	gctgtcccaa	caagattccc	gtgaaagagc	120
	acccgtgtcg	cccctcccg	tggacttctg	tgccgcccgg	tccacacctg	ttcttgggtg	180
	catgtgggtt	ttcggttcct	ggcggtcacg	gacggggcgg	gggctccctc	cccatctcgt	240

gctgggaggt	ctcagcgcg	tctcctgtcc	ctgggacgtg	cgtctctcct	tctcatgccg	300
ttctggaaaa	tgctcttgct	gtagagagca	gctgcttctg	ccaggggtgtt	ggaggtgggtg	360
gagcgccttc	cgattccatt	catggcattt	tgtgatgtga	tgtaattgga	atagagctgt	420
tgatttaagg	caaaaaaaaa	aaaaaaaaaac	tcgag			455

<210> 70
 <211> 569
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(569)
 <223> n = A,T,C or G

<400> 70						
gaattcggca	cgagcagaac	gcagctctgc	tctgctngag	gaggtgcaga	gcctccggga	60
ggaggctgag	aaacagcggg	tggcttcaga	gaacctgcgg	caggagctga	cctcacaggc	120
tgagcgtgcg	gaggagctgg	gccaagaatt	gaaggcgtgg	caggagaagt	tcttccagaa	180
agagcaggcc	ctctccaccc	tgcagctcga	gcacaccagc	acacaggccc	tggtgagtga	240
gctgctgcc	gctaagcacc	tctgccagca	gctgcaggcc	gagcaggccg	ctgccgagaa	300
acgccaccgt	gaggagctgg	agcagagcaa	gcaggccgct	gggggactgc	gggcagagct	360
gctgcggggc	cagcggggagc	ttggggagct	gattcctctg	cggcagaagg	tggcagagca	420
ggagcgaaca	gctcagcagc	tgcgggcaga	gaaggccagc	tatgcagagc	agctgagcat	480
gctgaagaag	gcgcattggc	tgctggcaga	ggagaaccgg	gggctgggtg	agcgggcca	540
ccttggccgg	cagtttcttg	aagtggagt				569

<210> 71
 <211> 555
 <212> DNA
 <213> Homo sapien

<400> 71						
gaattcggca	cgagtggcga	cgccccctaa	gcggcgggcg	gtggaggcca	cgggggagaa	60
agtgtctgcg	tacgagacct	tcattcagtga	cgtgctgcag	cgggacttgc	gaaaggtgct	120
ggaccatcga	gacaaggtat	atgagcagct	ggccaaatac	cttcaactga	gaaatgtcat	180
tgagcgactc	caggaagcta	agcactcgga	gttatatatg	caggtggatt	tgggctgtaa	240
cttcttcggt	gacacagtgg	tcccagatac	ttcacgcatt	tatgtggccc	tgggatattg	300
ttttttcctg	gagttgacac	tggcagaagc	tctcaagttc	attgatcgta	agagctctct	360
cctcacagag	ctcagcaaca	gcctcaccaa	ggactccatg	aatatcaaag	cccatatcca	420
catgttgcta	gaggggctta	gagaactaca	aggcctgcag	aatttcccag	agaagcctca	480
ccattgactt	cttcccccca	tcctcagaca	ttaaagagcc	tgaatgccaa	aaaaaaaaaa	540
aaaaaaaaaac	tcgag					555

<210> 72
 <211> 567
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(567)
 <223> n = A,T,C or G

<400> 72
gaattcggca cgagggctgg tggagttgtt agtgnctat ggcaacacct tctttgtggt 60
tctcattgtc atccttgtgc tgttggtcat cgatgccgtg cgcgaaattc ggaagtatga 120
tgatgtgacg gaaaaggtga acctccagaa caatcccggg gccatggagc acttccacat 180
gaagcttttc cgtgcccgaga ggaatctcta cattgctggc ttttccttgc tgcgtgcctt 240
cctgcttaga cgctggtga ctctcatttc gcagcaggcc acgctgctgg cctccaatga 300
agcctttaa aagcaggcgg agagtgc taggagcgcc aagaagtaca tggaggagaa 360
tgaccagctc aagaaggag ctgctgttga cggaggcaag ttggatgtcg ggaatgctga 420
ggtgaagttg gaggaagaga acaggagcct gaaggctgac ctgcagaagc taaaggacga 480
gctggccagc actaagcaaa aactagagaa agctgaaaac caggttctgg ccatgcggaa 540
gcagtctgag ggcctcacca aggagta 567

<210> 73
<211> 254
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(254)
<223> n = A,T,C or G

<400> 73
gaattcggca cgagcctgga caaggagaga gtgcgntgc tgagagccga gcccagcaat 60
cccgatcctc tgagtcgtga agaaggagg cagcagggg gttggggtg gggcctgagg 120
caagccccc ggctccgctc ttgccagagg gacaggagcc atggctcaga aaatggactg 180
tgggtcgggc ctctcggct tccaggctga ggctccgta gaagacagcg ccttgcttat 240
gcagaccttg atgg 254

<210> 74
<211> 516
<212> DNA
<213> Homo sapien

<400> 74
gaattcggca cgagcagccc tcggctgagc cgcgccgcac catgcccgcc gtggacaagc 60
tctgtctaga ggaggcgttg caggacagcc cccagactcg ctctttactg agcgtgtttg 120
aagaagatgc tggcaccctc acagactata ccaaccagct gctccaggca atgcagcgcg 180
tctatggagc ccagaatgag atgtgcctgg ccacacaaca gctttctaag caactgctgg 240
catatgaaaa acagaacttt gctcttgcca aaggtgatga agaagtaatt tcaactactc 300
actatttttc caaagtgggt gatgagctta atcttctcca tacagagctg gctaaacagt 360
tggcagacac aatggttcta cctatcatc aattccgaga aaaggatctc acagaagtaa 420
gcacttttaa ggatctattt ggactcgcta gcaatgagca tgacctctca atggcaaaat 480
acagcaggct gcctaagaaa aaggagaatg agaagg 516

<210> 75
<211> 468
<212> DNA
<213> Homo sapien

<400> 75
gaattcggca cgagcagggg cgagcggcag aatgggagct gactgatatg gtggtgtggg 60
tgactggagc ctcgagtga attggtgagg agctggctta ccagttgtct aaactaggag 120
tttctcttgt gctgtcagcc agaagagtgc atgagctgga aagggtgaaa agaagatgcc 180

tagagaatgg	caatttataaa	gaaaaagata	tacttgtttt	gccccttgac	ctgaccgaca	240
ctgggtccca	tgaagcggct	accaaagctg	ttctccagga	gtttggtaga	atcgacattc	300
tggtcaacaa	tggtggaatg	tcccagcggt	ctctgtgcat	ggataccagc	ttggatgtct	360
acagaaagct	aatagagctt	aactacttag	ggacggtgtc	cttgacaaaa	tgtgtttctgc	420
ctcacatgat	cgagaggaag	caaggaaaga	ttgttacttg	tgaatagc		468

<210> 76
 <211> 349
 <212> DNA
 <213> Homo sapien

<400> 76						
gaattcggca	cgagctcgac	tcttagcttg	tcggggacgg	taaccgggac	cgggtgtctg	60
ctcctgtcgc	cttcgcctcc	taatccctag	ccactatgcg	tgagtgcata	tccatccaag	120
ttggccaggc	tggtgtccag	attggcaatg	cctgctggga	gctctactgc	ctggaacacg	180
gcattccagcc	cgatggccag	atgccaaagt	acaagaccat	tgggggagga	gatgactcct	240
tcaacacctt	cttcagtgag	acgggcgctg	gcaagcacgt	gccccgggct	gtgtttgtag	300
acttgaacc	cacagtcatt	gatgaagttc	gcactggcac	ctaccgcca		349

<210> 77
 <211> 469
 <212> DNA
 <213> Homo sapien

<400> 77						
ataggcacat	acacatacac	agtctcagca	aggttataaa	gaaccctgtc	agggtccactt	60
gcaacatggc	cttgctactt	ggattagctc	ctttaagcct	gaaaataact	ttcctgggtca	120
tggaagaact	ggacgcattc	tttaacttat	gaaatagaag	ttgaacttga	aaactctttt	180
taaaaaatcc	tggtttttgca	ggacagctac	ataatgaatg	tatatattaa	gactgtagct	240
gaattgcaca	tgaaatcaga	ttgccaaact	cttgactttc	aatgttagac	atttatcctt	300
aagttgtgag	cgatatatgt	agcatgctgt	gaaatgtctg	ttatagctct	ttaattcatc	360
agtattaata	cagaattatc	atttgcgttt	cttgggtact	tttattcaat	gtaatcagaa	420
gctgtgatgt	tttgcctttg	tagtcctgtg	ctttgggtact	gtaattttt		469

<210> 78
 <211> 399
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)... (399)
 <223> n = A,T,C or G

<400> 78						
gagctcgggt	tgagggctcg	gcgcgggggt	tctgtttcct	tcttctgcgc	ggctgcagct	60
cgggacttcg	gcctgaccca	gcccccatgg	cttcagaaga	gctacagaaa	gatctagaag	120
aggtaaagg	gttgctggaa	aaggctacta	ggaaaagagt	acgtgatgcc	cttacagctg	180
aaaaatccaa	gattgagaca	gaaatcaaga	acaagatgca	acagaaatca	cagaagaaag	240
canaacttct	tgataatgaa	aaaccagctg	ctgtgggttc	tccattaca	acgggctata	300
cggtgaaaat	cagtaattat	ggatgggac	aagtcagata	agtttgtgaa	aatctacatt	360
accttaactg	gagttcatca	agttcccat	gagaatgtg			399

<210> 79

<211> 439
 <212> DNA
 <213> Homo sapien

<400> 79
 ccgagaagct gggctttgct ggtcttgtag aggagatctc atttgggaca actaaggata 60
 aaatgctggt catcgagcag tgtaagaact ccagagctgt aaccattttt attagaggag 120
 gaaataagat gatcattgag gaggcgaaac gatcccttca cgatgctttg tgtgtcatcc 180
 ggaacctcat ccgcgataat cgtgtggtgt atggaggagg ggctgctgag atatcctgtg 240
 ccctggcagt tagccaagag gcggataagt gcccacatt agaacagtat gccatgagag 300
 cgtttgccga cgcactggag gtcattccca tggccctctc tgaaaacagt ggcatgaatc 360
 ccattccagac tatgaccgaa gtccgagcca gacaggtgaa ggagatgaac cctgctcttg 420
 gcatcgactg ttgacaaa 439

<210> 80
 <211> 437
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (437)
 <223> n = A,T,C or G

<400> 80
 aattaacatc ttttttgttt aggcattgtc aattaatgct gtagctatca tagctntgct 60
 cttacctgaa gccttgctcc caccacacag gacagccttc ctctgaaga gaatgtcttt 120
 gtgtgtccga agttgagatg gcctgcccta ctgccaaaga ggtgacagga aggctgggag 180
 cagctttgtt aaattgtgtt cagttctgtt acacagtgc tggccctttg ttgggggtat 240
 gcatgtatga acacacatgc ttgtcggaac gctttctcgg cgtttgctcc ttggtctctc 300
 tctccccat tctgtgcct actttgcctg agttcttcta cccccgcagt tgccagccac 360
 attgggagtc tgtttgttcc agtgggggtg agctgtcttt gtcgtggaga tcttggaaact 420
 ttgcacatgt cactact 437

<210> 81
 <211> 472
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (472)
 <223> n = A,T,C or G

<400> 81
 atattttant aatgcagagc tatagtctca attgttactt tataagggtg ttttattaac 60
 aaacccaaat cctggatttt cctgtctttg ctgtattttg aaaaacacgt gttgactcca 120
 ttgttttaca tgtagcaaag tctgccatct gtgtctgctg tattataaac agataagcag 180
 cctacaagat aactgtatct ataaaccact ctccaacagc tggctccagt gctggtttta 240
 gaacaagaat gaagtcattt tggagtcttt catgtctaaa agattttaagt taaaaacaaa 300
 gtgttacttg gaaggtttag ttctatcatt ctggatagat tacagatata ataaccatgt 360
 tgactatggg ggagagacgc tgcattccag aaacgtctta acacttgagt gaatcttcaa 420
 aggaccctga cattaaatgc tgaggcttta atacacacat attttatccc aa 472

<210> 82
 <211> 448
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(448)
 <223> n = A,T,C or G

```
<400> 82
gttcagt gnt gccctcagag ctcttgctgt tagctggcag ctgacgctgc taggatagtt      60
agtttgaaa tgg tacttca taataaacta cacaaggaaa gtcagccacc gtgtcttatg      120
aggaattgga cctaataaat tttagtgtgc cttccaaacc tgagaatata tgcttttgga      180
agttaaaatt taaatggctt ttgccacata catagatctt catgatgtgt gagtgttaatt      240
ccatgtggat atcagttacc aaacattaca aaaaaatttt atggcccaaa atgaccaacg      300
aaattgttac aatagaattt atccaatttt gatcttttta tattcttcta ccacacctgg      360
aaacagacca atagacattt tggggtttta taatgggcat ttgtataaag cattactctt      420
tttcaataaa ttgtttttta atttaaaa                                448
```

<210> 83
 <211> 270
 <212> DNA
 <213> Homo sapien

```
<400> 83
cagtgtggtg gaattaatca ggccctcccaa atttagcagg tgctggggag gaccctaggg      60
agtggtttat gggggctagc tggtgaaact gccctttcct ttctgttcta tgagtgtgat      120
gggttttgag aaaatgtggg gctatggttc aggcgcactt cacatgtgca aagatggaga      180
aagcactcac ctacacgttt aggctcagaa tattgattga aacattttga atgatcaaaa      240
ataaaatggt atttttaaag tttcaaaaaa                                270
```

<210> 84
 <211> 359
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(359)
 <223> n = A,T,C or G

```
<400> 84
tccaaagtta gacaaaatgc caggaatggt cttctctgct aacccaaagg aattgaaagg      60
aaccactcat tcacttctag acgacaaaat gcaaaaaagg aggccaaaga cttttggaat      120
ggatatgaaa gcatacctga gatctatgat cccacatctg gaatctggaa tgaaatcttc      180
caagtccaag gatgtacttt ctgctgctga agtaatgcaa tggctcfaat ctctggaaaa      240
acttcttgcc aaccaaactg gtcaaaatgt ctttggaagt ttccctaaant ctgaattcag      300
tgaggagaat attgagttct ggtggtgctg tgaanactat aagaaaacag agtctgac      359
```

<210> 85
 <211> 371
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(371)
 <223> n = A,T,C or G

<400> 85
 ctgcagcccg ggggatccac tagtcnnttg tgggtggaatt cagcctacag ccgcctgggt 60
 ctgtatccag cgccaggtcc cgccagtccc agctgcgcgc gccccccagt ccgcgacccg 120
 ttccgcccag gctaagttag cccctacccat gccggtcaaa ggaggcacca agtgcacaa 180
 atacctgctg ttccgattta acttcatctt ctggcttgcc gggattgctg tccttgccat 240
 tggactatgg ctccgattcg actctcagac caagagcatc ttcgagcaag aaactaataa 300
 taataattcc agcttctaca caggagtcta tattctgata cggagccggc gccctcatga 360
 tgettgggtg g 371

<210> 86
 <211> 500
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(500)
 <223> n = A,T,C or G

<400> 86
 ctgcagcccg ggggatccac tagtttntcta tgatcattaa actcattctc agggttaaga 60
 aaggaatgta aatttctgcc tcaatttgta cttcatcaat aagtttttga agagtgcaga 120
 ttttttagtca ggtcttaaaa ataaactcac aaatctggat gcatttctaa attctgcaaa 180
 tgtttcctgg ggtgacttaa caaggaataa tcccacaata tacctagcta cctaatacat 240
 ggagctgggg ctcaaccacac tgtttttaag gatttgcgct aacttggggc tgaggaaaaa 300
 taagtagtnc gaggaagtag tttttaaatg tgagcttata gatanaaaca gaatatcaac 360
 ttaattatga aattgttaga acctgttctc ttgtatctga atctgattgc aattactatt 420
 gtactgatag actccagcca ttgcaagtct cagatatctt agctgtgtag tgattcttga 480
 aattcttttt aagaaaaatt 500

<210> 87
 <211> 550
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(550)
 <223> n = A,T,C or G

<400> 87
 ctgcagcccg ggggatccac tagtccantg tgggtggaatt ccaggaactg gaccagggnnc 60
 tggagcggat ctccaccatg cgccctcccg atgagcgggg ccctctggag cacctctact 120
 cccctgcacat ccccaactgt gacaagcatg gcctgtacaa cctcaaacag tgcaagatgt 180
 ctctgaacgg gcagcgtggg gagtgcctgg gtgtgaacct caacaccggg aagctgatcc 240
 agggagcccc caccatccgg ggggaccccg agtgtcatct cttctacaat gagcagcagg 300
 aggcctgcgg ggtgcacacc cagcggatgc agtagaccgc agccagccgg tgccctggcg 360
 ccctgcccc cgcctctctc caaacaccgg cagaaaacgg agagtgctt ggtggtgggt 420

gctggaggat	tttccagttc	tgacacacgt	atttatattt	ggaaagagac	cagcaccgag	480
ctcggcacct	ccccggcctc	tctcttccca	ngctgcagat	gccacacctg	ctccttcttg	540
ctttcccggg						550

<210> 88
 <211> 429
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(429)
 <223> n = A,T,C or G

<400> 88						
gggaccagac	tgcgtctcagg	ccanttgcag	ccttctcagc	caaacgccga	ccaaggaaaa	60
ctcactacca	tgagaattgc	agtgatttgc	ttttgcctcc	taggcatcac	ctgtgccata	120
ccagttaaac	aggctgattc	tggaagttct	gaggaaaagc	agctttacaa	caaataccca	180
gatgctgtgg	ccacatggct	aaaccctgac	ccatctcaga	agcagaatct	cctagcccca	240
cagaatgctg	tgtcctctga	agaaaccaat	gactttaaac	aagagaccct	tccaagtaag	300
tccaacnaaa	gccatgacca	catggatgat	atggatgatg	aagatgatga	tgaccatgtg	360
gacagccagg	actccattga	ctcgaacnac	tctgatgatg	tanatgacac	tgatgattct	420
caccagtct						429

<210> 89
 <211> 477
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(477)
 <223> n = A,T,C or G

<400> 89						
ttttaattta	caccaagaac	ttctcaataa	aagaaaatca	tgaatgctcc	acaatttcaa	60
cataccacaa	gagaagttaa	tttcttaaca	ttgtgttcta	tgattatttg	taagaccttc	120
accaagtctt	gatattcttt	aaagacatag	ttcaaaattg	cttttgaaaa	tctgtattct	180
tgaaaatata	cttggttgtgt	attaggtttt	taaataccag	ctaaaggatt	acctcaactga	240
gtcatcagg	accctcctat	tcagctcccc	aagatgatgt	gtttttgott	accctaagag	300
aggntttctt	cttattttta	gataattcaa	gngcttagat	aaattatgtt	ttctttaagt	360
gtttatggta	aactctttta	aagaaaattt	aatatgttat	agctgaatct	ttttggtaac	420
tttaaattct	tatcatagac	tctgtacata	tgttcaaatt	agctgcttgc	ctgatgt	477

<210> 90
 <211> 310
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(310)
 <223> n = A,T,C or G

```

<400> 90
ctgcagcccg ggggatccac tagtcanttt attgacacta tttgaaactt ttgaaatata      60
aacggagagg ctttctgttg agacattgtc accaaaaaca ttttttgaaa tgttcctgaa      120
actaatttgg gtttaaaagat taaaagggtt gttaccattc ttatctgagt agttgggagg      180
aggggaatac cactttagtt catttggaag atatagacat atttcttttg ctttctttaa      240
acagcttaaa atgatgaact tttataattt taatttgaag attgaataaa tattttttat      300
aaagataaaa                                     310

```

```

<210> 91
<211> 532
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(532)
<223> n = A,T,C or G

```

```

<400> 91
ctgcagcccg ggggatccac tagtcatgat gtgtgttgtta ttttaaaaat tatctgcaac      60
cttaattcag ctgaagtact ttatatattca aaagaatgaa taacattgat aataaaatcg      120
ctactttaag ggggtttgtcc aaaataaata ttgtggcctt atatatcaca ctattgtaga      180
aagtattatt taatttaaat ggatgcagggt tgtctactaa agaaagatta tatataacta      240
tgctaattgt tcataatcaa cagaaaccaa gatagagcta caaactcagc tgtacagttc      300
gtacactaaa ctcttcttgc ttttgcatta taaggaatta agtctccgat tattagggtga      360
tcaccctgga tgatcagttt tctgtctgaag gcacctactc agtatctttt cctctttatc      420
actctgcatt ggtgaattta atcctctcct ttgtgttcaa cttttgtgtg ctttttaaaat      480
cagctttatt ctaaagcaaa tctgtgtcta ctttaaaaaa ctgnaaatgg aa          532

```

```

<210> 92
<211> 608
<212> DNA
<213> Homo sapien

```

```

<400> 92
cactactgtc ttctccttgt agctaatacaa tcaatattct tcccttgccct gtgggcagtg      60
gagagtgtcg ctgggtgtac gctgcacctg cccactgagt tggggaaaga ggataatcag      120
tgagcactgt tctgctcaga gctcctgatc taccacaccc cctaggatcc aggactgggt      180
caaagctgca tgaaccaggg cctgtggcagc aaacctgggaa tggctggagg tgggagagaa      240
cctgacttct ctttcctctc cctcctcca acattactgg aactctatcc tgttaggata      300
ttctgagctt gtttccttgc tgggtgggac agaggacaaa ggagaaggga gggctctagaa      360
gaggcagccc ttctttgtcc tctggggtaa atgagcttga cctagagtaa atggagagac      420
caaaagcctc tgatttttaa tttccataaa atgttagaag tatatatata catatatata      480
tttcttttaa tttttgagtc tttgatatgt ctaaaaatcc attccctctg cctgaagcc      540
tgagtggagc acatgaagaa aactgtgttt catttaaaga tgtaatttaa atgattgaaa      600
cttgaaaa                                     608

```

```

<210> 93
<211> 519
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature

```

<222> (1)...(519)

<223> n = A,T,C or G

<400> 93

ctgcagcccg	ggggatccac	tagtccagt	tggtggaatt	ctaaagaagt	aggtgctgca	60
cacaaatatg	taaagcaatt	gtaggaaatt	tgaaggaaa	aaaagaaacc	gaagccagta	120
ttttaataat	tgctttttct	gtgtattttg	tattgggctg	ggggatagca	tcaaagggtg	180
aactttttga	gcttttctatg	aaaaacccca	ggaccttctt	tctttggcca	tttctatgga	240
aatgcgatgt	cagatggatg	gtaatgggtc	cctccagtgg	ctgtgagacc	tcattgogca	300
ttgtctactg	gagctttagt	cttctgagac	ggaggaaaac	tgctgaatac	tctggattca	360
tctatgtcta	caatgttgca	tttatgaaaa	actacactgn	gctaggcgca	ttctaggaca	420
tgaatatgac	cacaccctct	ttcacgggt	gtttctgtag	caagttttca	tattcttttc	480
aaacaatggt	ttctctgcgt	taattattga	ggaaaaaaa			519

<210> 94

<211> 569

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(569)

<223> n = A,T,C or G

<400> 94

ctgcagcccg	ggggatccac	tagtccantg	tggtggaatt	cgtctgcgag	ccaggattcc	60
cgatccagag	acaatggccc	cgatgggatg	gagcccgaa	gcgtcatcga	gagtaactgg	120
aatgagattg	ttgacagctt	tgatgacatg	aacctctcgg	agtccttctt	cogtggcatc	180
tacgcctatg	gttttgagaa	gccctctgcc	atccagcagc	gagccattct	acottgtatc	240
aagggttatg	atgtgattgc	tcaagcccaa	tctgggactg	ggaaaacggc	cacattttgcc	300
atatcgattc	tgacgcagat	tgaattagat	ctnaaaagcca	cccaggcctt	ggtcctagca	360
cccactcgag	aattggctca	gcagatacag	aaggtggctn	tggcactagg	agactacatg	420
ggcgccctct	gtcacgcctg	tatcgggggc	accaacgtgc	gtgctgaggt	gcagaaactg	480
cagatggaag	ctccccacat	catcgtgggt	acccttgccc	gtgtgtttga	tatgcttaac	540
cggagatacc	tgtcccccaa	atacatcaa				569

<210> 95

<211> 260

<212> DNA

<213> Homo sapien

<400> 95

gacaagctcc	tggtcttgag	atgtcttctc	gttaaggaga	tgggcctttt	ggaggtaaag	60
gataaaatga	atgagttctg	tcatgattca	ctatttctaga	acttgcatga	cctttactgt	120
gttagctctt	tgaatgttct	tgaattttta	gacttttctt	gtaaacaaat	gatatgtcct	180
tatcattgta	taaaagctgt	tatgtgcaac	agtgtggaga	ttccttgtct	gatttaataa	240
aatacttaaa	cactgaaaaa					260

<210> 96

<211> 438

<212> DNA

<213> Homo sapien

<400> 96

atttctcttt	agttctttgc	aagaaggtag	agataaagac	actttttcaa	aatggcaat	60
ggtatcagaa	ttcctcaagc	aggcctggtt	tattgaaaat	gaagagcagg	aatatgttca	120
aactgtgaag	tcatccaaag	gtggtcccgg	atcagcgggtg	agcccctatc	ctaccttcaa	180
tccatcctcg	gatgtcgctg	ccttgcataa	ggccataatg	gttaaagggtg	tggatgaagc	240
aaccatcatt	gacattctaa	ctaagcgaaa	caatgcacag	cgtcaacaga	tcaaagcagc	300
atatctccag	gaaacaggaa	agcccctgga	tgaaacactg	aagaaagccc	ttacagggtca	360
ccttgaggag	gttggttttag	ctctgctaaa	aactccggcg	caatttgatg	ctgatgaact	420
togttgctgc	catgaagg					438

<210> 97
 <211> 471
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (471)
 <223> n = A,T,C or G

<400> 97						
togttatccg	cgatgngttt	cctggcagct	acattcctgc	tcctggcgct	cagcaccgct	60
gcccaggecg	aaccgggtgca	gttcaaggac	tgcatattc	agtctaaaag	cagcaaggcc	120
gtggtgcatg	gcatectgat	gggcgtccca	gttcccttc	ccattcctga	gcctgatggt	180
tgtaaagagt	gaattaactg	ccctatccaa	aaagacaaga	cctatagcta	cctgaataaa	240
ctaccagtga	aaagcgaata	tccctctata	aaactggtgg	tggagtggca	acttcaggat	300
gacaaaaacc	aaagtctctt	ctgctgggaa	atcccagtac	agatcgtttc	tcatctctaa	360
gtgcctcatt	gagttcggtg	catctggcca	atgagtctgc	tgagactctt	gacagcacct	420
ccagctctgc	tgcttcaaca	acagtgactt	gctctccaat	ggtatccagt	g	471

<210> 98
 <211> 578
 <212> DNA
 <213> Homo sapien

<400> 98						
ccagtgtggt	ggaattcgca	gccaccgcca	cccattggaa	tggccaacag	gggacctgca	60
tatggcctga	gccgggaggt	gcagcagaag	attgagaaac	aatatgatgc	agatctggag	120
cagatcctga	tccagtggat	caccaccag	tgccgaaagg	atgtgggccc	gccccagcct	180
ggacgcgaga	acttccagaa	ctggctcaag	gatggcacgg	tgctatgtga	gctcattaat	240
gcactgtacc	ccgaggggca	ggccccagta	aagaagatcc	aggcctccac	catggccttc	300
aagcagatgg	agcagatctc	tcagttcctg	caagcagctg	agcgctatgg	cattaacacc	360
actgacatct	tccaaactgt	ggacctctgg	gaaggaaaaga	acatggcctg	tgtgcagcgg	420
acgctgatga	atctgggtgg	gctggcagta	gcccagagatg	atgggctctt	ctctggggat	480
cccaactggt	tccctaagaa	atccaaggag	aatcctcgga	acttctcgga	taaccagctg	540
caagagggca	agaacgtgat	cgggttacag	atggggcac			578

<210> 99
 <211> 416
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (416)

<223> n = A,T,C or G

<400> 99

caagaatgtg	cctaactggc	atanagatct	ggtacgagtg	tgtgaaaaca	tccccattgt	60
gntgngtggc	aacaaagtgg	atattaagga	caggaaagtg	aaggcgaaat	ccattgtctt	120
ccaccgaaag	aagaatcttc	agtactacga	catttctgcc	aaaagtaact	acaactttga	180
aaagcccttc	ctctggcttg	ctaggaagct	cattggagac	cctaacttgg	aatttggtgc	240
catgcoctgt	ctcgccccac	cagaagttgt	catggaccca	gctttggcag	cacagtatga	300
gcacgactta	gaggttgctc	anacaactgc	tctcccgat	gaggatgatg	acctgtgaga	360
atgaagctgg	agcccancgn	cagaagtcta	gttttatang	cagctgtcct	gtgatg	416

<210> 100

<211> 441

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(441)

<223> n = A,T,C or G

<400> 100

agacaatgac	cccacggntc	ctccttatga	ctccattcaa	atctacggtt	atgaaggcag	60
gggctcagtg	gccgggtccc	tgagctccct	agagtcggcc	accacagatt	cagacttgga	120
ctatgattat	ctacagaact	ggggacctcg	ttttaagaaa	ctagcagatt	tgtatggttc	180
caaagacact	tttgatgacg	attcttaaca	ataacgatac	aaatttggcc	ttaagaactg	240
tgtctggcgt	tctcaagaat	ctanaagatg	tgtaaacagg	tattttttta	aatcaaggaa	300
aggctcattt	aaaacaggca	aagttttaca	gagaggatac	atttaataaa	actgcgagga	360
catcaaagtg	gtaaatactg	tgaaatacct	tttctcacia	aaaggcaaat	attgaagttg	420
tttatcaact	tcgctagaaa	a				441

<210> 101

<211> 521

<212> DNA

<213> Homo sapien

<400> 101

ccagcgccca	gagagacacc	agagaaccca	ccatggcccc	ctttgagccc	ctggtttctg	60
gcatoctgtt	gttgctgtgg	ctgatagccc	ccagcagggc	ctgcacctgt	gtccaccccc	120
accacagac	ggccttctgc	aattccgacc	tcgtcatcag	ggccaagttc	gtggggacac	180
cagaagtcaa	ccagaccacc	ttataccagc	gttatgagat	caagatgacc	aagatgtata	240
aagggttcca	agccttaggg	gatgccgctg	acatccggtt	cgtctacacc	cccgccatgg	300
agagtgtctg	cggatacttc	cacaggtecc	acaaccgcag	cgaggagttt	ctcattgctg	360
gaaaactgca	ggatggactc	ttgcacatca	ctacctgcag	tttcgtggct	ccctggaaca	420
gcctgagctt	agctcagcgc	cggggcttca	ccaagaccta	cactgttggc	tgtgaggaat	480
gcacagtgtt	tccctgttta	tccatcccct	gcaaaactgca	g		521

<210> 102

<211> 520

<212> DNA

<213> Homo sapien

<400> 102

gaagaaaaag	aaattctgat	acgggacaaa	aatgctcttc	aaaacatcat	tctttatcac	60
------------	------------	------------	------------	------------	------------	----

ctgacaccag	gagttttcat	tggaaaagga	tttgaacctg	gtgttactaa	catttttaaag	120
accacacaag	gaagcaaaat	ctttctgaaa	gaagtaaagt	atacacttct	ggtgaatgaa	180
ttgaaatcaa	aagaatctga	catcatgaca	acaaatggtg	taattcatgt	tgtagataaa	240
ctcctctatc	cagcagacac	acctgttgga	aatgatcaac	tgctggaaat	acttaataaa	300
ttaatcaa	acatccaaat	taagtttggt	cgtggtagca	ccttcaaaga	aatccccgtg	360
actgtctata	gaccacact	aacaaaagtc	aaaattgaag	gtgaacctga	attcagactg	420
attaaagaag	gtgaaacaat	aactgaagtg	atccatggag	agccaattat	taaaaaatat	480
accaaataca	ttgatggagt	gcctgtggaa	ataactgaaa			520

<210> 103

<211> 479

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(479)

<223> n = A,T,C or G

<400> 103

ctgattctca	ggctagaagt	gtcacttttc	ttatctgtac	ttccaaagca	ctttcgtata	60
tttttattat	ggcatttata	tatagttcat	ttatatttta	attttaattc	catgaacaat	120
caagtaccaa	gtataatgga	gaaggtgctc	atcctctgcc	ttccttgagc	ttctgggtga	180
tgccaggccc	aagtctttgt	ggcaccacag	tccatgcttt	gaatactatg	tggctgaatg	240
aattttttaa	atctcaaagc	agttaaacag	caggaaagcc	cattaacttc	gtactgaaaa	300
agcaacatac	tgtgatgata	cgggatgaca	tcatttcagg	ttgggcatac	aaaaaagtaa	360
ggaagctaaa	ctaagactat	actcaccagg	ccatttagaa	gttttaaata	atgcctccac	420
tatttttttt	cttanacata	gcttttaaat	gggaaatgga	attagtaaat	gactatttt	479

<210> 104

<211> 324

<212> DNA

<213> Homo sapien

<400> 104

tgaccatcca	tatccaatgt	tctcatttaa	acattaccca	gcattcattgt	ttataatcag	60
aaactctggg	ccttctgtct	ggtggcactt	agagtctttt	gtgccataat	gcagcagtat	120
ggaggaggga	ttttatggag	aatgggggat	agtcttcatg	accacaaata	aataaaggaa	180
aactaagctg	cattgtgggt	tttgaaaaag	ttattatact	tcttaacaat	tctttttttc	240
agggactttt	ctagctgtat	gactgttact	tgaccttctt	tgaaaagcat	tcccaaaatg	300
ctctatttta	gatagattaa	catt				324

<210> 105

<211> 541

<212> DNA

<213> Homo sapien

<400> 105

cttggttcca	gaacctgacg	accgcggcgc	ggcgacgtct	cttttgacta	aaagacagtg	60
tccagtgtct	cagcctagga	gtctacgggg	accgcctccc	gcgccgccac	catgcccaac	120
ttctctggca	actggaaaat	catccgatcg	gaaaacttcg	aggaattgct	caaagtgtcg	180
gggtgtaatg	tgatgctgag	gaagattgct	gtggctgcag	cgtccaagcc	agcagtggag	240
atcaaacagg	aggagacac	tttctacatc	aaaacctcca	ccaccgtgcg	caccacagag	300
attaacttca	aggttgggga	ggagtttgag	gagcagactg	tggatgggag	gccctgtaag	360

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agcctgggtga aatgggagag tgagaataaa atggtctgtg agcagaagct cctgaaggga 420
gagggcccca agacctcgtg gaccagagaa ctgaccaacg atggggaact gatcctgacc 480
atgacggcgg atgacgttgt gtgcaccagg gtctacgtcc gagagtgagt ggccacaggt 540
a 541

```

```

<210> 106
<211> 391
<212> DNA
<213> Homo sapien

```

```

<400> 106
cagaagtctt ggactgcaac tacatacatg gaatatgaga ctcttaccct gggagatatg 60
attaggagaa gtggtggcca cagtcgaaaa atcccaaggc ccaaacctgc accactgact 120
gctgaaatac agcaaaagat ttgtcatttg ccaacatctt gggactggag aaatgttcat 180
ggtatcaatt ttgtcagtcg tgttcgaaac caagcatcct gtggcagctg ctactcattt 240
gcttctatgg gtatgctaga agcgagaatc cgtatactaa ccaacaattc tcagacccca 300
atocaaagcc ctcaggagggt tgtgtcttgt agccagtatg ctcaaggctg tgaaggcggc 360
ttcccatacc ttattgcagg aaagtacgcc c 391

```

```

<210> 107
<211> 462
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(462)
<223> n = A,T,C or G

```

```

<400> 107
cgtgacctca agatgngcca ctctgactgg aagagtggag agtactggat tgaccccaac 60
caaggctgca acctggatgc catcaaagtc ttctgcaaca tggagactgg tgagacctgc 120
gtgtacccca ctcagcccag tgtggcccag aagaactggt acatcagcaa gaacccaag 180
gacaagaggc atgtctggtt cggcgagagc atgaccgatg gattccagtt cgagtatggc 240
ggccagggct ccgacctgct cgatgtggcc atccagctga ccttccctgc cctgatgtcc 300
accgaggcct ccagagaacat cacctaccac tgcaagaaca gcgtggccta catggaccag 360
cagactgggn acctcaataa ggcctgtctc ctccagggct ccaacganat ngagatccgc 420
gccgagggca acagccgctt cacctacagc gtcactgtcg at 462

```

```

<210> 108
<211> 580
<212> DNA
<213> Homo sapien

```

```

<400> 108
atataccatt taatacattt acacttttctt atttaagaag atattgaatg caaaataatt 60
gacatataga actttacaaa catatgtcca aggactctaa attgagactc ttccacatgt 120
acaatctcat catcctgaag cctataatga agaaaaagat ctagaaactg agttgtggag 180
ctgactctaa tcaaatgtga tgattggaat tagaccattt ggccctttgaa ctttcatagg 240
aaaaatgacc caacattttct tagcatgagc tacctcatct ctagaagctg ggatggactt 300
actattcttg tttatatttt agatactgaa aggtgctatg cttctgttat tattccaaga 360
ctggagatag gcagggctaa aaagggtatta ttatttttcc tttaatgatg gtgctaaaat 420
tcttctata aaattcctta aaaataaaga tggtttaatc actaccattg tgaaaacata 480
actgttagac ttcccgtttc tgaaagaaaag agcatcgttc caatgcttgt tcactgttcc 540

```

tctgtcatatc tgtatctgga atgctttgta atacttgcac

580

<210> 109
<211> 482
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(482)
<223> n = A,T,C or G

<400> 109							
caggcgtgca	gtttcccggc	tctccgcgcg	gccggggaag	gtcagcgccg	taatggcggt		60
cttggcgctcg	ggaccctacc	tgaccatca	gcaaaagggtg	ttgcggcttt	ataagcgggc		120
gctacgccac	ctcgagtcgt	ggtgcgtcca	gagagacaaa	taccgatact	ttgcttggtt		180
gatgagagcc	cggtttgaa	aacataagaa	tgaaaaggat	atggcgaaag	ccaccagct		240
gctgaaggag	gccgaggaag	aattctggta	ccgtcagcat	ccacagccat	acatcttccc		300
tgactctcct	gggggcacct	cctatgagag	atacnattgc	tacaagggtcc	cagaatgggtg		360
cttagatgac	tggcatcctt	ctgagaaggc	aatgtatcct	gattactttg	ccaagagaga		420
acagtggaag	aaactgcgga	gggaaagctg	ggaacgagag	gttaagcagc	tgcaaggagga		480
aa							482

<210> 110
<211> 286
<212> DNA
<213> Homo sapien

<400> 110							
aatcattctg	cactcactgg	gtgcatagca	tggttagagg	ggctagagat	ggacagtcac		60
caactggcgg	atatagcgg	acatatgac	cttagccacc	agggcacaag	cttaccagta		120
gacaatacag	acagagcttt	tgttgagctg	taactgagct	atggaatagc	ttctttgatg		180
tacctctttg	ccttaaattg	ctttttagtt	ctaagattgt	agaatgatcc	tttcaaattg		240
taatcttttc	taacagagat	attttaatat	acttgccttc	ttaaaa			286

<210> 111
<211> 465
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(465)
<223> n = A,T,C or G

<400> 111							
agctactgtt	aagatttgac	agattgtcct	gtctttttcc	agtatatata	ggtatctata		60
tatgtatata	ctgtatatac	ttatatatat	ttattgtatt	aaatatatac	atatgtatat		120
gtatatataa	gtatgtgtat	atatgtatat	atttaataca	attattaaat	tgtattattg		180
tattaaatgt	atacatatat	acacacatat	atatacatat	gcataatatt	aacacagtta		240
aaataacact	aaatgtacca	ttttgtttct	ggccttttca	gntaatgtta	tgaagaattt		300
ttctattttg	ttaaacttct	ccaaaaacat	taaactgcat	tatgttctga	gagtagatgt		360
accacaatta	attctaccat	ttctgtattg	ttggccatgt	aggttgttct	taattttctc		420
attattatga	atgcatgtga	caatcattgg	ttttgcctaa	agttg			465

<210> 112
 <211> 773
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(773)
 <223> n = A,T,C or G

<400> 112
 ttttttttca gtttttgcag ttggtgtggt tagcagatac tttcttagaa taaaattgat 60
 aactcaattt gattttttaa aagttgtttt agtgatttaa aatgttgata tggaaaaata 120
 ttaaacatta tatagatagt aggcaaattc atatccta atgcaatatta gcttgttagca 180
 ttttaaatta aaatctaaat ttcttgatat attgccacat tagttgtaat gtttaataaa 240
 tggtgggttaa agattttatt gtaatttaat ctgtgtactt agttgccatg gacctctctt 300
 ttagcttttc ataaataaat atcctttaat accttacctc ctcccttcaa ttgactgatg 360
 ctgggatagg gtgttctttg gagcttatct tggtaaagaa ggtcagaagt gacatataac 420
 cctattccct agggggccgag ggtgctttcc ttacagagtt gtattttaag tgagtcaact 480
 cctgagccag catctactaa gagaaccttc aaacataatc ataggcattt aaataatttg 540
 aaaaatcaaa ttctttgcat taaaaacatt tatecttang ttcatttctt tataanggtt 600
 ctctttttta aaaaaaggat tgggtatttat gaaagggaa ggtggctggg tttttcttaa 660
 gcattatgna aagggggagat acccctattt ttctttctcc ccanggaaaa tgggtgaagg 720
 gaacctgggc aatgcccatg attgnaaaaa ttccacttcc nttgaacaat ggg 773

<210> 113
 <211> 543
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(543)
 <223> n = A,T,C or G

<400> 113
 gtttttctga tttgaaaaat tgtttataat attactataa gatgagatta acaatctttg 60
 taaaaatcag attatgtttt gggcttaaaa aaaaccctag tgttttctac tattagtgtgta 120
 ctcaaatgat ttgtgagtga tagtactcaa atgagaattg catttaattt gtacatagtt 180
 aaatcgtctt gttttgaagc acaaagtcag gatgtttctc atcagaattt tctgtttgaa 240
 tagggaaaaag tggcatttgt catgaggcat cattaaaaac ggaaagcaga ggaaaaattg 300
 gaaagctaca gaaaaaagat tcacatgaaa aaccaagctg aagaaaaaag ctgcagaaca 360
 gtttcgaatg cgaacttaaaa aattaagcca agatgnaaat gaagctagaa agggagatct 420
 cagaaagaag ccagccgagc ctgtcaaaca actggatgtc cagaaaaata ttcaggttcc 480
 ccaggggaaa gcatgggtac tgggtttgan gcttggaaga nggagactgg aaggaaagaa 540
 tga 543

<210> 114
 <211> 550
 <212> DNA
 <213> Homo sapien

<220>

<221> misc_feature
 <222> (1)...(550)
 <223> n = A,T,C or G

<400> 114
 ggaaagaggt aagcggtaaa ttacatagac tgctggagga agagtgttcc agtggagaga 60
 aacagagcta gtgcaaaggc cctgaggtga gagcatgcct ggtgtgatcc ggggatggca 120
 aggaggccag ggtggtggat gaggagttag caaggaggan agtacgagga taagaagcca 180
 ncaaggaaaa atggcagtgg ggcggatcac ctanggtctt agtacgccat tgtgaagact 240
 ttgccttttg ctcccaantg gaatgggtac tcnttgaagg cttttaancc caggaanaaa 300
 cattgattga tttanaagtt taaanggatc acntttgggt attgtggcca acaagacact 360
 gcgggaagaa gcaagaaggg tagaaagcca gnaaaccaac tnaggaggct tttgcagtaa 420
 tcctggntga nanacantgg tggctcnggt taaaaagttt tggaaaaaat taaaactgtt 480
 tgatggtttg tttcctgttc ttgggggcnt aggcattcca actccttacc gaaagggtta 540
 ccccntttga 550

<210> 115
 <211> 550
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(550)
 <223> n = A,T,C or G

<400> 115
 caatgtggca cttaacttan tgggtacaac tgtatcacat catgtgtgaa tcgtgagacc 60
 actcaaactc ctctctggga aaacncggct gctccccga tggctggcag gtgttggaac 120
 ctcggtctcc cgctcgtctc tggggcaagg tgggtttcct catgtatngc aagagtctat 180
 cgtgcggtgc ttctctcttg gcatacagct cacagctctt tggcctatac agtgtggaaa 240
 tttatnctcc ggtgctggag gtgttaatgg gaaagagctc ggttaaatgc acttctcact 300
 tggcccgtgg gtgatgctct acatgactga attcntctct nacggggact gacattgtat 360
 ctatacacta natccttcca ccanagtggc gttaaggacg gtgtctggga tggaaactga 420
 cggtacangc cccanctctc tgaaatgagt ccananatga actacctgca tacctctcta 480
 aatcactctg gtctggcatg ntctccgtgc cgaaacatat atatgtatgt ctctccncat 540
 acgaaaaana 550

<210> 116
 <211> 463
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(463)
 <223> n = A,T,C or G

<400> 116
 cacaatgtgg tactttactt agttggtaca actgtatcat atcatgtggt gaatcacgtg 60
 tgacgtgact ccgcaactcc gcaccagact acactgcacg taatnacagc cngcaaccca 120
 ggtggacaaa nattgacgca atgttgtgtc antgccaccg tgccacacca cctgtggagg 180
 acgtcagttc tctcttcccc caaaaccagc gaccctcttg atctcccgac cngaggtcct 240
 nggttgtggt gactgagcnc aaaaccgagg tcgttcaact gtacttgacg ctggagtcac 300

atccaganaa	agcccggaag	acatcacngc	cttcgtgtgt	cnetctcacg	tctgcacaga	360
cggctaacgc	aggatcattc	angtccacaa	gctccacccc	tcanaaaactc	tcnaacaagg	420
cagccgaaac	acgtttccct	gccctccgga	gaatacanaa	cag		463

<210> 117

<211> 503

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(503)

<223> n = A,T,C or G

<400> 117

nncactnatg	tgctacgtta	acttagttgt	acaactcgat	cctatccatg	tggtgaattc	60
tctccagcag	tacactgang	atacanctta	ttgttattga	cgtgcgctgc	gctcactacc	120
gncagccagg	gaatgcgcct	caggaaccct	ggtgccccacc	ctggctggca	tngccattgt	180
caaggaagag	aaacgagntg	ccattggagc	cctcctactg	ccatgagggc	ctgaaacaaa	240
ctgtgntatg	ctctgcgaag	gtctggtgct	aaggtcccg	tggctcacta	tggcacacca	300
ctcngggctg	aagttgtggt	cctgaaggta	ctcancccg	tgtggccggg	acctggatac	360
gtgcacattg	ccgtgtcgca	aaaccagcat	tgtatgtgca	catgtagttt	gttccactga	420
atgtcncctg	ggcctcagat	ttcagggaga	ttgactctca	tctcnttgct	ctactaagag	480
agagcacctc	acctgaatgt	caa				503

<210> 118

<211> 560

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(560)

<223> n = A,T,C or G

<400> 118

tgggggnnca	ctaagtgcta	cgttacttag	ttgtacgact	cgatcctatc	atgtggtgaa	60
ttctgnagcn	tggtctcatg	agcctctctg	gtgcgctgtg	tgtatnggta	cggcgctctc	120
tatcgcttta	tctcttctga	ctcgcaccgg	ggccggcggc	atcaccggcc	aagaccctgc	180
acaatgaaga	ctgcaggagc	aggcgggtgg	cccacctggc	cctggacctg	aagaccnaaa	240
ctggagcagg	ctcnggccgg	aggactgggc	accgcctaca	ggccacgtca	cccacggtgg	300
ctggnanaac	aatgaaaaca	agaagaactt	ctctacccaa	gagagaagtt	caaaaccncg	360
aactcactgt	cgggaaattg	actaaaactg	cngaactgaa	gaaaacaacn	caaagccnnc	420
tnaagcanag	aagngaactg	agacgaacat	catccnccna	actaatgaaa	agagagacgt	480
tccttnaga	gacnaagaga	gagaaagagc	cccagacngc	cccggactaa	gattctaata	540
agagcttggt	gtgagagaag					560

<210> 119

<211> 638

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(638)

<223> n = A,T,C or G

<400> 119

acaaaagtgc	tacgttactt	agctgtacga	ctcgatcatat	ccatgtggtg	aatcatacgc	60
tattttatat	acngtngatc	aacatgaagg	gttngtgtct	gatcccgcgc	atcaaaacac	120
gtgttacttt	gactcccca	acctactcta	gtaataccta	ctattgacca	gaaccttaca	180
ttacataaac	agttncata	ttctgtatat	atatgtatac	tgtattctta	ataagtaagc	240
taagaaatgt	tattgaaatc	ataaggaaaa	gaaatgtatt	atacactgta	tgtattgtct	300
gtantgtact	gtctgttaca	agatgatcgt	ctgatgaatg	atgcgctgca	ccccaaactat	360
gtattacaaa	caatcncttt	tcattgtgtc	tgacttgctt	ctgaaatact	ccacacncta	420
tngetttata	tggtcctggt	gtattcaggt	tatntatgcc	taactgaaaa	tcccagaacc	480
tgaagatatg	tttctgtgat	cncattactg	ganaaagaac	gcccatacat	actcnccgng	540
tttaacggat	ccccaccta	cnccgcatac	acagagtgtg	naatttgtnt	acacttntca	600
ogtanctagc	tttgaataac	gctcttcttt	ttcttccc			638

<210> 120

<211> 434

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(434)

<223> n = A,T,C or G

<400> 120

ngnnnggggca	caaaagctgc	tatgtttaac	ttagcttggg	tacgactcgt	tcatatccat	60
gtgnttgant	caccgctcta	ctgccaagca	tcattttggt	tctacgnctc	aanctgtgna	120
aangatgtgg	gttaggggan	tgaagatgca	aacncctagg	gtangggcat	ttanaactga	180
aaagganagg	aaganaagac	ctgcgaacgt	gggggataag	actanaagaa	agacgggaga	240
naatantgtc	tttgancttc	aaatggaaca	tnccccatcc	tatctgttan	aaancaccan	300
gtaaaatggg	atgtntgcac	naaagaataa	gttaaactaa	acnccggacn	gtgactanaa	360
aatgaangac	cacanatgaa	aaggcgatga	ctngcctggt	tacctancct	gtanacctat	420
attttcnggg	ttat					434

<210> 121

<211> 631

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(631)

<223> n = A,T,C or G

<400> 121

caaagcgcta	tgtaaatgag	cttgtacgac	tcgtcatatc	ttgtggtgta	tcatatcttc	60
tctctctttc	aacaaaactcc	ccagctccac	ccgggctcta	cctccgagac	cagganccaa	120
aacganccga	gatggctgct	ctgcgcgcca	cgccgcgcca	ctcccgtgc	ccccggcccc	180
gattccttgg	ataaaganaa	gaatcgcaag	aaaccatcaa	tcgcactctc	cttctccggc	240
getcgncgtt	ccggctccgg	gtcggatgct	gcaaatgctg	ggatgccgag	ntgtgcgcgg	300
gccagntgc	gcacggttac	acacaccact	ctggactgga	gaagaatcat	ttatantttc	360
gtgcgcgacc	cgcttcaaat	gcgcttgctg	aactcacgaa	agnagtcaat	ntgttctaac	420

gngetgaaca	cacgcagacc	ncacnaaagc	gccgatggga	ctgctgccgg	aacctggaga	480
ctctcaactc	caagaaccgc	gcaaccgggc	ggcctccgct	ccggcgntgg	gaactgtntc	540
ccccgaagt	tggtccggnt	taacgcgacc	cggttanctt	cgtnaaagg	ngggcctnaa	600
ttcggtgcct	tncnggcggg	gggtgaccgc	c			631

<210> 122

<211> 678

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(678)

<223> n = A,T,C or G

<400> 122

caaagcggct	angttaatta	gctggtagca	ctcgatcatat	catgtgggtgn	atccacacat	60
ggaatgaggg	tcccgtcac	tctggggctc	tgctgctctg	gtccatgtgc	cagatntaaa	120
tccagatgac	cagtctcctc	ctccctgtct	gcacgggtgg	ganacgaatc	accatcactt	180
gncgggcaat	caganattan	aaatgattaa	cctgggtatca	gcagaaacca	gggaaaccct	240
aagctctgat	ctttgctgca	tcagttacaa	gtggggctcct	tcnccgttca	cggcagtgnt	300
ctggcacaga	ttcatctcac	atcncagctg	cagcctgaaa	aatttacct	tatactgtct	360
acggataaca	ataccctgna	cttcggcaag	gactanggtg	gaatnaaacn	aatgtggctg	420
cacatctgtc	ttctcttccc	gctctgataa	cagtnaaatc	tgaactgctc	tggtgtgtgc	480
tgctgatact	tctatccana	aaagccaagt	acatggaagt	gaatacgctc	ccaatcggtt	540
atccagaaat	gtccaaaanag	gaacaggacg	nctacgctcg	cacncctgac	ctaaccancn	600
aatcnaaaac	caatctnccc	gcaatccctc	gggctgacct	ctccaaaact	ccngggaatt	660
taaggaaatc	cccccccc					678

<210> 123

<211> 445

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(445)

<223> n = A,T,C or G

<400> 123

gaggggggng	caaaagcgct	acttaattag	ctgtacgact	cgatcatatca	tgtgggtggat	60
cagcatccag	atggcataat	cggctaattg	cctgggggtc	agatgtatgc	gatgtccggc	120
taatgtgaca	tcttgccanc	tagcttaagg	anggtggctc	agaagacatt	gcagaaacag	180
gagctcggcc	cacangtttc	ccaaggctct	cacccattc	catctccagg	gaagctcgcc	240
cagtggcact	gaatggcctc	ctcagcggag	ggtttggaa	caggctgggc	aagaactgct	300
aatcttgccg	ggactggaac	cagctctccg	gccttctctg	gctccttggg	tctgggtggg	360
aaggggaagag	ggaaaagaaa	ggaaatctcc	nggcananga	ngggacaccc	canacaccga	420
agacacnccc	ccctcctgta	actgt				445

<210> 124

<211> 641

<212> DNA

<213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(641)
 <223> n = A,T,C or G

<400> 124
 gagggggggg ncaaagcgct acgttaatta gctgtacgac tcgtcatatc atgtgggtgga 60
 tcccactaca angttgtcac tatatattan atctatagtn gagtcngtnt tccccatccc 120
 tgtaaacgaa tttactattg ttggggtagt gtccctactt tcctgattaa ggatctgtgc 180
 tggggaacaa gcnttgcata ccttatatgt agttaanatt tattaacata tcctcatgan 240
 ctcattcaca ctgnanctct cctnaaaatn gtgtgctcct gttacattan aactaatctg 300
 aaataaagac tctcnaatgc tgtgcaacat anttactgtn tgaaggagca gtgtnaattg 360
 agtaccaatt tagcatcgat ttgaaacgca ccttatttga actgtgaata aacactttct 420
 gogtatacta ctgcttacat ccaattcngt gatttaagat actcgtggta tagatacaact 480
 gattgaagtc cgatatatgc aaaaactcct cataggattg acatgctgat ntnagtgngc 540
 nttcaatgtg gagtatactt acntaattgc taacgtataa agtattgaan gtnnaatagt 600
 cagcttcngt gnaaaatnng aaattagtat ggtncngttc c 641

<210> 125
 <211> 285
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(285)
 <223> n = A,T,C or G

<400> 125
 agggnggcac aaagcgctac gttaatnagc tgtacgacg tccatatacag gtgggtggatc 60
 catatgtccg gtattctctg atgtcangct tattataata gtaccaaccc ttcatctctg 120
 aaatgtctgg ttctggttcc ctattatata ccagcactga aaatattcgt atcttagnan 180
 caaaagcatt taaaaagagt taaaaattta ntcatacacta tgcacttcaa ggggagaagc 240
 tncactgcnt ncttgagnct angcaagatg cnagcncctt ggaag 285

<210> 126
 <211> 282
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(282)
 <223> n = A,T,C or G

<400> 126
 agggnnatgac aaagcggcta cgtaatatnag ctggtacgac cgatcatatcn tgtgggtggat 60
 ccngaacang tagcctcata atcacaacat ccattagcca cagtaaaactg attctgtaac 120
 tccactggca atgctgattg gtaatggctg cataaaacca gtgtatcaat ttantttcgg 180
 ttttgagaca aaatctcata ttatacnctg acatctcnaa ctlogatata tgaccagaata 240
 cgggnagaca ttattcaaan atatttacct tacanaaaaa aa 282

<210> 127
 <211> 634

<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(634)
<223> n = A,T,C or G

<400> 127
acaaagcggc tacgttantic agctgggtacg accgtccata tcatgtgggtg gatcntgaaa 60
anctttgatc ggctgcgggtg gaaacgttgt cngggccggc aagaagagcc gctgtnacaa 120
tggtgtcatg agttcagccg aacgcangac gggtctcaca cccgtgctgc ggtgttgcca 180
tgtccgcacg ggacaatatc ctggggaccg gtactggtag taactatgat gcattntgct 240
gantgtgaat gatctcaact catgccagct gtcacattca tagaattctc gtaatatatc 300
ntcgaaaaat ggtaanatgc tgtgtctttt gccgtcctgt tctatgttta tatcagtcag 360
ctgtttatgac attctatcag tggttggtg gttacnactt tgactcgtct 420
cattgccgtt gctatagtcc tcaactattgc cagatcaaaa tactgatcac tactaattcc 480
nacaananac tctggctgga ccactgcccn gtcatgtctg tgtcttgcta tcacatttaa 540
gctactatta ctgtgttgga atgcataatc tcacaacnaa gtgcgaaatg ngtttccgcc 600
ttgaatacnc cctactttgc ccctataaag gcgg 634

<210> 128
<211> 180
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(180)
<223> n = A,T,C or G

<400> 128
caaagcgcta cggttaatnag ctgtacgacc gtccatngtc aggtgggtgga tccctgttat 60
gtcaagaaaa gtaaatcgtc tcttcaataa ggcctttatt tgggacagggt ttatttcctg 120
atatnatntc ttttatactc ttttctctca gaaanaaaaa agtngtntnc tcttattgtc 180

<210> 129
<211> 567
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(567)
<223> n = A,T,C or G

<400> 129
acaaagcgct atgttaactt agctgtacga ccgtccatng tcaggtgggtg gatcctccccg 60
tgtgtctgat tcataatgga tctatattaga cagttgagaa taaattattc tattacaata 120
atagatgcta atatatatat tatgtctgtt ggatatctaa atatttgctc acatccttaa 180
tatattttta aaattctaac aatagtactg ttganataaa gttgagccat attganacnc 240
tcccanattg gtcctagaaa gttacactgg ttgtctctcc ttatgtcctg ttatccaccc 300
tgacgctgcc gcttttatatt cttaatgant tggacggaca gtggtatccg atcgttttga 360
cgacgttaca ntactnacca tctatacgtc tacttaattg acagcagatt tcgtagcnct 420

cattaggatc	tgttccaacn	gttggcaa	naccncgga	gaagttccng	tagttgtcnn	480
ctccccctat	tgaaccttat	gacnactctt	cctttacnca	catatcgacc	ttcctgacaa	540
cncctttttn	aaagaactct	tcnccca				567

<210> 130

<211> 557

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(557)

<223> n = A,T,C or G

<400> 130

agggnttcac	aaaagcgcta	cgtaaatnag	ctgtacgact	cgatcatatca	tgtgggtggat	60
cccgccggt	gcccactgga	tgtcaaactc	tgccctgcgc	gatgcgccga	tcggcgcccg	120
ggatacgtgg	caagcgccgg	cccggcgcca	gccgcactct	cccancctgg	cgtggccacc	180
cggccaagca	gaatgggtcc	tgcagctgcn	gtctagcngt	ctgcaccaac	acgggtggtg	240
gtgcagcnaa	gtctccggaa	tcncaaggt	ctattnaatt	ctgtgggaaa	ttanatctca	300
actcaatagg	cctttccaaa	gaactattgc	atgatattca	acaagtaatt	tcttatttca	360
atacactccg	tatcagaatc	atgttctttc	tcgatctctt	ccatcctccg	aacagcctgc	420
antgactggt	tcacctagac	aannaatata	tccttggtat	tgggactcag	cataactgtc	480
aaatatgcta	tcnactccna	tcnaagaaat	ccttcogaag	ctgtatttga	ttcattaatt	540
tatccacatt	actggat					557

<210> 131

<211> 655

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(655)

<223> n = A,T,C or G

<400> 131

agggnggcac	aaagcgctat	gttactgagc	tgtacgnctc	gtccattgtc	ntgtgggtgga	60
tentcggatn	aggtctgata	tacttctgt	gngatcnaga	tgnatctncg	tagntcccc	120
cgttggtatgc	tgctcatnac	tgctgcattt	ccacgatcca	cctgtnatg	gctatcctgc	180
tatacacaa	ngcatgatnn	gatatggaat	cctccacaat	ggaagtgttc	tgttatgacc	240
caccacctta	tatncngccg	ctgtctgaaa	ctcaaaccct	ttgcctgtnt	cagancacga	300
tengttatgt	tactgatgaa	gaaatggaat	actcccaaaa	acagtgtcn	gccgcaaatc	360
ctacttccng	caaactnaet	gcgtctctta	atccataactc	ctctccatan	aantacagt	420
tactccgtga	agcctgaag	gaaatggan	agttatagga	aactntcatc	gttataagcc	480
anaatgcntg	attaaataaa	tcgtctttng	tgataaacctc	atcttcaactc	ngttatacct	540
atcgttactn	canaancctt	attgaantt	aattgtnttg	aaactgccga	aaaaaacggt	600
cttatgtttc	ccggaccttg	ggggatcaat	aatccaatag	cntactcttc	ncgcc	655

<210> 132

<211> 566

<212> DNA

<213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(566)
 <223> n = A,T,C or G

<400> 132
 agggtnncac aaagcgctat gttacttagc tgtacgtgtc gtcattntca tgtgggtggat 60
 tcgagcatca cagctctacg tgtgtcagct ctcacgtctg caccagacgc tgaagcaaga 120
 gtacagtgca agtctccaca agcctcccag ccccatcgag aaacatctcc aaagccaaag 180
 ggcgccnaa aaccacngtg tacacctgcc ccatcccggg agaaatgacc agaacaagtc 240
 gctgacctgc tgggtcaagct ctatccagca ctccctggaa tgggaaacat ggcanccgaa 300
 aactacana cacnctcccg tgtgtgatcg acgtctctcc tctatgcanc tcacgtggac 360
 aaacagttgc acagggaact ctctctgtcg tgatgctgan ggtctgccaa cactacccaa 420
 aaanctctcc tgttcccgtg tataatgoga aggcggcanc cccnctcccg gntctcgcg 480
 tccacaagat gntgcacntn cccgtctatt cttccagcac ccantggaa ataagcncn 540
 ccatgncctg ggcctgaaa aaaaaa 566

<210> 133
 <211> 816
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(816)
 <223> n = A,T,C or G

<400> 133
 agctngggct naccgtataa aacttaagct tgggtnaccg agctcgggat ccactcagtc 60
 cagtngtggg tgggnaattc ctngnagcca cctnacagc cagtaagnag atatngtagg 120
 gtaaatgtt aagggnaagt cagcacttac attaaagtaa aattgggctc acaaaccctg 180
 nacacagtna gcattttgtg gccaatcttct ggggtgggaa tgggtgaaca aacattgctg 240
 ggaagccaag tngctnaaca ttgccttggg ttcaaggggg natgggnaaa gtcaccctgt 300
 aagggggatgg gcaattgcca gtgggaaacc caccgcttgc ttgaaggctc tgggacttgc 360
 atccttacca cccaaactcc gtccaacttg gacaaagccc ttggccgcct tgccctctcca 420
 ggaatgtctt acaaaaattg ggtgggttat tgggttactg gttccttgtt gggcccgaan 480
 ttgggaaaaa cttgggttgt tctcaaaacc cgggttattg ggttgggtca ccttttggct 540
 ccagnttca aacgtttaca aacggggaaa gtnaaaaatc ttgttcgaaa aattgccacc 600
 cattgnaaaa gcttttggaa nttggaaaac tcttccttgg gggggacaaa ttgtttgggg 660
 gctttccaat tgntcaaaaa aattgttgtt cttgttcaaa agggatgttt nccgttccgt 720
 ggggccaaac cgttttgctt gggttgaaca gccaaaaaa tttgnaancc ccaccaant 780
 tggggaaagc caagcnttgg ggtttcactg gcttcc 816

<210> 134
 <211> 451
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(451)
 <223> n = A,T,C or G

<400> 134

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tttgnangag aggggtcacct gggcagccct gacttttgtc ccttggcaaa gggaccttca      60
gtgaccttgg ccttaggaga gcctctgagc acgtcagcca tgtcgaaccg cttaggaagg      120
gcagcaagaa tttggcttct gacctctgcc tctcctactc gccatctgca ctgggtgtgg      180
ttgtgcccat tttacagatg aggaggctgg ggcacgcacc agctgaatgc ctgtcccag      240
gtactgcgta agcagagctg gcagttgaac cccgtgtcct ggttgtcgct ggggggtgggc      300
tgcaccctga ctgtgtaggc cagnagcaag gnttgcacgt gacttcgtga ccgtcaccca      360
gctctgcagc acatcccgtg acccancctc tccaggccgn atgcaaacct gttgccaggc      420
ganaaaacca agtcaccgca canctgtggg t                                451

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<210> 135
<211> 658
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(658)
<223> n = A,T,C or G

```

```

<400> 135
gtggtatctg ccttcccagg aggcaggagt ggggccccca actgatgagc tcatgggtgca      60
ctcttagctt ttaagacttg tcatacaggg tgcaataaaa caaaatgtgc cactcaaaat      120
gtactttttt ggtatatatt gatcttgctg ttaagagggg ctacaattca gagaggctgc      180
agacacagaa atagccctga aaagctttct tctctggcag agatttgcaa gtgctgagga      240
aatacacggt agtgaagtga acagaggaga aaagcatttc tctgaggcac accccacccc      300
caccttatct gcctaattgg atcaaggaaa gattaactcc caggaaaaaac agactgagat      360
cctaattgott taaaggtctg actgagaaac ttctccatag gccactgtct atcttcctga      420
gggcancttg ggggagcccc tgagagactc acatcttgctg tggggacagc ctgggctcac      480
caagcatacc tctctctctt cccattacc tgaaaccac ctccnnaaaa cccagcccc      540
tattctctct gtagcctcag gatgtgaaga aatcttcctc attgggcctc ttggagctca      600
tatttgcctg tcntgtnttg tataatnaatt attgcattta tggtaatatt cctttgcc      658

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<210> 136
<211> 478
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(478)
<223> n = A,T,C or G

```

```

<400> 136
gaagtctcgc gagtataaga acagtaacca gctccgggag taccagctgg aagggatgaa      60
ctggcttctt tttaactggt ataacagaaa aaactgtatt ttggctgatg agatgggcct      120
agggaaaacc atccagtcca tcacattcct ttcagaaata tttctgagag gaatccacgg      180
cccttttctc attatcgccc ctctctccac catcactaac tgggagcggg agttccggac      240
atggacagag atgaatgcc a ttgtgtacca cggcagccag atcagcaggc agatgatcca      300
gcagtatgaa atggtgtaca gagacgcccc gggaaccctt ttcaggagtc ttcaagttcc      360
acgtcgtcat cacaacnttt gaatgatcct agcagactgc ccagagttga agaagaattc      420
actggaactg tgtggataat tggatgaaac cccccagact ggaagaatan ggaactgc      478

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<210> 137
<211> 612

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<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(612)
<223> n = A,T,C or G

<400> 137
gcaggggctc ttgcaaatta acacaaaata ataattaaaa atgaaacgaa attgaggata 60
ttcttagaaa ggggtgaagga catgaaatac attactatct gggatttcaa cctttccaaa 120
gggtcaataaa tccccaaata aaatgtaa atcaggctac ctgagaattc catttctgtt 180
gcatctttgt tcatgatgag catatgtctt ttcattttga ggacttttta aaagagaaga 240
gtgacacaca atgcaacatg gacaaggaat gaaaattgct ttagacactg cactttgaac 300
atacaaacct gggaggtgcc aggggtctgac actgtatatt tcttcctttg atctgattct 360
tccaaacagg atccatgtac tggcaaattt ccctagtgtt ccctggtaag catcaaagta 420
aaccactggt tggcctcggt atttctacat tggctttctc cattgntttt atacataaaa 480
aaaanaaaaa gaaagaaaac tcaactgggca ttttacatgg gggttccata ttggtcctta 540
atcattcagt ttgaaagtaa atcaaagagg aatgaanagt taaagngctt tgaaattggg 600
gtgaaaactt ca 612

<210> 138
<211> 478
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(478)
<223> n = A,T,C or G

<400> 138
gcaggggctc ttgcaaatta acacaaaata ataattaaaa atgaaacgaa attgaggata 60
ttcttagaaa ggggtgaagga catgaaatac attactatct gggatttcaa cctttccaaa 120
gggtcaataaa tccccaaata aaatgtaa atcaggctac ctgagaattc catttctgtt 180
gcatctttgt tcatgatgag catatgtctt ttcattttga ggacttttta aaagagaaga 240
gtgacacaca atgcaacatg gacaaggaat gaaaattgct ttagacactg cactttgaac 300
atacaaacct gggaggtgcc aggggtctgac actgtatatt tcttcctttg atctgattct 360
tccaaacagg atccatgtac tggcaaattt ccctagtgtt ccctggtaag catcaaagta 420
aaccactggn tggcctcggt atttctacat tggctttctc cattggtttt atacataa 478

<210> 139
<211> 597
<212> DNA
<213> Homo sapien

<400> 139
gttattttggt agtttttagag atgaggaact aaggaccagc ttgctcagtg tttcctagct 60
agtgaataga gactagacac caagtgttct acgtgcagac tttatactgc tcagcctggc 120
acacaaaatg gcaatggcat agtccccaga ctgtggctcc aactgtctct ttcctaacag 180
ctccccaggc acccacactt ttctgcctct ttttcaatct gtacccttga cctcctcct 240
ttttctgctt tgctcagactc cttaaggcac ttcataaatt aaccatttcc agggatttcc 300
cctcacacat gagttattcc agtggacagg gcagcctcat ggggtgcctgt ggaggggtgaa 360
gggtctgcct ggccgtaggt gtgatcacac actcccgttg taaccctgc ctcctgtgac 420

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acttgctgcc ccacgattta gctgctttgt gttccgtgcc tctggtttgc tgggtgaactc 480
ctgagttggg gggcgtcatt cctccactg tagttcttcc gcgatgctga atccaccac 540
ggtcagcacc actcggaat acttcacagt cctgtagagg aagacaggtc caggttt 597

```

```

<210> 140
<211> 368
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(368)
<223> n = A,T,C or G

```

```

<400> 140
tttacatcta gactccacag acagaaacgt ttcattttta ttgagttaat tttgaaatat 60
atgaatccct gacccattgt tatcactagc tgttactcta tcaggacagt tgctgaagtt 120
ttttgtcact aaatttaaaa atcaactatc aggttgctcc ttggatgacc tgagatttct 180
agagacaaaa gaaatctatt ctctctgatt gaagaaagag tctgagattt tttttaaacc 240
actgatttgg ggatcagggt gtagccagtg tctcaaaact tccctgtcc cttttttgtt 300
ttgctcaagg agtgggctnt gaggnctcaa gaattggggg ngttactggt ttatttttga 360
ttagggggg

```

```

<210> 141
<211> 674
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(674)
<223> n = A,T,C or G

```

```

<400> 141
aatgtcaatc tttgctcggt cagtgaggat gtcgcctgtt gagggaaaaa tagtagctgt 60
tgccatattc ctttaactcc cccccccgc cccccgcaat atgtcccctg aataaacttt 120
gtgggtagtt tttcttcatt ccagaaactg ttatgaggtg agttcagaaa ttgccagctt 180
cctgatgctc tatgctttga acacacaaaa taatcaaagg tgctctttag taggatcctt 240
tccctatcaa aataacagta acacccaatc tgaggcctca agcccactcc ttgagcaaaa 300
caaaaaaggg acaggggaga gtttgagaca ctggctacac cctgatcccc aaatcagtgg 360
tttaaaaaaa atctcagact ctttcttcaa tcaggaagaa tagatttctt ttgtctctag 420
aaatctcagg tcattccaagg gacaacctga tagttgattt ttaaatttag tgacaaaaaa 480
actttcagca actgtcctga taggagtaac caggctagnt ggataaccaa atggggtnca 540
agggggaatn tcataatatt ttcaaaaaat taaaccttca attaaaaaaa tggaaaaaacc 600
ggttttcntg gtctggttgg ggaggttctt aagnatggta aaaaaaggaa atttccccac 660
ccaacnacct tggg

```

```

<210> 142
<211> 669
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature

```

<222> (1)...(669)

<223> n = A,T,C or G

<400> 142

```

gttggaact tantcctcaa tgcaatagtg ttgagatgtg ggacctttaa gtgataatta    60
gatcatgagg gatttgccctc attcattaat tattgctatt atctcagggtg agttagttat    120
cggagattga aatcctgata aaaagttgag ttgttctctc ctgtctctct ctctctctcc    180
actctagaat tgtaaaaaac taatctctat tctgcataaa ttaccagtc tcagggtattc    240
cattatatta gcaggaaatg gactaagaca ctactttata aaattttgca gtttccaatg    300
ttcagctttt ccttgatccg gcttcactca catttttctt tgcttggttac tgatggtgaa    360
attttcctgt tgtctttcat ttatggctta cactatcaca tgctctctat taattcatgc    420
cttctatttc cttctgttgt ttttgggaagc atctcttttc atgggctcat tttagctctg    480
taagacatat cgaaaactca cttgattcct cctgcatgca tagagctctg ctggggaagt    540
ctccttctgc atgctacgcc ttcccaccaa agacaaggct ttgcttattt gcn cattctg    600
tttaacgtct gccaaatatg nggtcttgac ncataagaaa actggtttga nccgcaaan    660
aaaattttg                                     669

```

<210> 143

<211> 501

<212> DNA

<213> Homo sapien

<400> 143

```

agaccttatt tggtaatctg ctgtcttcca gtgtctctgc attagatacc attactacag    60
tagcacttgg atctctcaca tctattccag aaaatgtgtc tactcatgtt tctcagattt    120
ttaatatgat actaaaagaa caatcattag cagcagaaag taaaactgta ctacaggaat    180
tgattaatgt actcaagact gatcttctaa gttcactgga aatgatttta tccccaaactg    240
tgggtgtctat actgaaaatc aatagtcaac taaagcatat tttcaagact tcattgacag    300
tggccgataa gatagaagat caaaaaaagg aactagatgg ctttctcagt atactgtgta    360
acaatctaca tgaactacaa gaaaatccat ttgttccttg gttgagtcac aaaagcaatg    420
tggaaacctt actgaagacc tgaagacaat aaagcagacc cattcccagg aactttgcaa    480
gttaatgaat ctttggacag a                                     501

```

<210> 144

<211> 501

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(501)

<223> n = A,T,C or G

<400> 144

```

gatatctcag cacctgactt acacatctta catcctcaag caaactcccc agggcacatt    60
tttagttggc cagccatcac ccagacttc tggaaaacaa ctcaccactg ggtcagtggt    120
ccaaggaaca ctgggagtca gcacatcttc tgcacaagga caacaaacgc taaaagtcatt    180
ctctggacag aaaaccacat tgtttacaca ggcagcccat ggaggacagg catctctaatt    240
gaaaatatcc gatagcacgt tgaagactgt gccagccacc tcacagctct cgaagcctgg    300
aaccacaatg ctgagagtag caggaggggt tatcacaact gccacttccc ctgccgtggc    360
cctctcagat aacggtcctt gccaacagtc tgaaggaaat gctnccgtgt cttcatctac    420
ggncaaagttc tgtaacgaaa acttctgggc agcaacaaag tgtgtgtgan ccaagccacc    480
cgtggggaac cttgcaaggnt t                                     501

```

<210> 145
 <211> 501
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(501)
 <223> n = A,T,C or G

<400> 145
 ggaatccgag ccggtaccc cctctccgag cgccagcagg tggcccttct catgcagatg 60
 acggccgagg agtctgcca cagcccagtg gacacaacac caaagcacc cccccagtct 120
 acagtgtgtc agaagggaac gcccaactct gcctcaaaaa ccaaagataa agtgaacaag 180
 agaaacgagc gtggagagac ccgcttcgac cgagccgcca tccgcgggga cggccggcgc 240
 atcaaagagc tcatcagcga gggggcagac gtcaacgtca aggacttcg aggctggacg 300
 gcgtgacagc aggcctgtta ccggggctac tacgacgtcg cgaagcaact gctggctgca 360
 ggtgcggagg tgaacaccaa gggcctagat gacgacacgc cttttgcacg acgcttgcca 420
 acaacgggca ctacaagggt gtgaaactgc ttgttgcggt acnganggaa cccgnacaaa 480
 acaacaggaa aagcgaagac c 501

<210> 146
 <211> 501
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(501)
 <223> n = A,T,C or G

<400> 146
 ggcccgaca cggacaggat tgacagattg atagctcttt ctcgattccg tgggtggtgg 60
 tgcattggcg ttcttagttg gtggagcgat ttgtctggtt aattccgata acgaacgaga 120
 ctctggcatg ctaactagtt acgcgacccc cgagcggctg gcgtccccca acttcttaga 180
 gggacaagtg gcgttcagcc acccgagatt gagcaataac aggtctgtga tggccttaga 240
 tgtccggggc tgcacggccg ctacactgac tggctcagcg tgtgcctacc ctacgcgggc 300
 aggcgcggtt aaccggttga accccattcg tgatggggat cggggattgc aattattccc 360
 catgaacgan gaattcccag taagtgcggg tcataagctt attccgcaact tacctgggga 420
 gaagcctttt ggtcttcagg ggacnaaaac agctttgttg ctgaacgcng gcagcaccgg 480
 tcgcgcgctc cgggtggttac c 501

<210> 147
 <211> 501
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(501)
 <223> n = A,T,C or G

<400> 147
 cagcgcgcgc gcccgcccc tccagcttcc cggaccatgg ccaacctgga gcgcaccttc 60

```

atcgccatca agccggacgg cgtgcagcgc ggccctggtgg gcgagatcat caagcgcttc 120
gagcagaagg gattccgcct cgtggccatg aagttcctcc gggcctctga agaacacctg 180
aagcagcact acattgacct gaaagaccga ccattcttcc ctgggctggt gaagtacatg 240
aactcagggc cggttgnggc catggtctgg gaggggctga acgtggtgaa gacaggccga 300
gtgatgcttg gggagaccaa tccagcagat tcaaagccag gcaccattcg tggggacttc 360
tgcattcagg ttggcaggaa catcattcat ggcagtgatt cagtaaaaaa tgctgaaaaa 420
gaaatcagcc tatggtttaa gcctgaagaa ctggttgact acaagtcctt ggctcatgac 480
tgggtctatn aataagaagg g

```

```

<210> 148
<211> 501
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(501)
<223> n = A,T,C or G

```

```

<400> 148
actcttagct tgtcggggac ggtaaccggg acccggtgtc tgctcctgtc gccttcgcct 60
cctaatacct agccactatg cgtgagtgc tctccatcca cgttggccag gctgggtgtc 120
agattggcaa tgccctgctgg gagctctact gcctggaaca cggcatccag cccgatggcc 180
agatgccaag tgacaagacc attgggggag gagatgactc cttcaacacc ttcttcagtg 240
agaogggcgc tggcaagcac gtgccccggg ctgtgtttgt agacttgaa cccacagtca 300
ttgatgaagt tcgcactggc acctaccgcc agctcttcca ccctgagcag ctcatcacag 360
gcaaggaaga tgctgccaat aactatgccc gagggcacta caccattggc aaggagatca 420
ttgaccttgt gttggaccga attcgcaagc tggctgacag tgcaccggtc ttcagggtt 480
cttggttttn cacagctttg g

```

```

<210> 149
<211> 501
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(501)
<223> n = A,T,C or G

```

```

<400> 149
cgcccgggca ggaatagaag atgaacaaac ccataacacc atcaacatat gtgcgctgcc 60
tcaatgttgg actaattagg aagctgtcag attttattga tcctcaagaa ggatggaaga 120
agttagctgt agctattnaa aaaccatctg gtgatgatag atacaatcaa gtttcacata 180
aggagatttg aagcattctt caaactggaa aaagtccac ttcttgaata ctgtttgact 240
gggggcacca caaattggac agttggtgat cttgtggatc ttttgatcca aaatgaattt 300
ttgctcctgc gagtcttttg ctcccagatg ctgttcccaa actgctaata cactaccttc 360
taaagaagct ataacagttc agcaaaaaa gatgccttcc tgtgacaaaag acaggacatt 420
gatgacacct gtgcanaatc ttgaacaaag ctatatgcc aactgactcct caagtccana 480
aaataaaagt ttaaaagtta g

```

```

<210> 150
<211> 501
<212> DNA

```

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(501)

<223> n = A,T,C or G

<400> 150

cagcacagga	tactgatatt	ctgtcagctg	aaaagcatgc	ttgatatagt	agagcatgat	60
ctcctcaaac	ctcaattgcc	ctctgtcact	tatttgagat	tagatggcag	catacctcct	120
ggtcagaggc	attccattgt	ttcccggttt	aataatgac	catctataga	cgttctgtta	180
cttaccactc	acgttgggtg	cctgggactt	aatttgacag	gcgctgacac	agtagtattt	240
gtggagcatg	actggaantc	tatgcgagat	ctacaagcca	tggaaccggc	ccatcgcat	300
gggcagaaac	gtgtgggttaa	cgtatccgat	tgataaccag	aggaacattg	gaagaaaaaa	360
taatggggtt	gcagaaaatt	caagatgaac	catagcgaat	ctgtttattag	ccaagagaat	420
tcttagtttg	canacatggg	ggactgatca	gctttcttga	atctggttac	tcttggataa	480
gggatggcaa	aagcagaaaa	a				501

<210> 151

<211> 501

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(501)

<223> n = A,T,C or G

<400> 151

atggaggggt	gtgtgtctaa	cctaattggtc	tgcaacctgg	cctacagccg	gaagctggaa	60
gagttgaagg	agagtattct	ggccgataaa	tnoctgnnta	ctacaactga	ccaggacagc	120
agaactgcat	tgcaactgggc	atgctcagct	ggacatacag	aaattgttga	atttttgttg	180
caacttggag	tgccagtga	tgataaagac	gatgcaggtt	ggtctcctct	tcatattgag	240
gcttctgctg	gcccgggatga	gattgtaaaa	gcccttctgg	gaaaagggtg	tcaagtgaat	300
gctgtcaatc	aaaatggctg	tactccctta	cattatgcag	cttcgaaaaa	caggcatgag	360
atcgctgtca	tgttactgga	aggcggggct	aatccagatg	ctaaggacca	ttatgaggct	420
acagcaatgc	accgggcagc	agccaagggt	aacttgaaga	tgattcatat	ccttctgtac	480
tacaaagcat	ccacaaacat	c				501

<210> 152

<211> 501

<212> DNA

<213> Homo sapien

<400> 152

gcccgcgaa	gcccgcgcag	aactgtactc	tccgagaggt	cgttttcccg	tccccgagag	60
caagtttatt	tacaaatggt	ggagtaataa	agaaggcaga	acaaaatgag	ctgggctttg	120
gaagaatgga	aagaaggact	gcctacaaga	gctcttcaga	aaattcaaga	gcttgaagga	180
cagcttgaca	aactgaagaa	ggaaaagcag	caaaggcagt	ttcagcttga	cagtctcgag	240
gctgcgctgc	agaagcaaaa	acagaagggt	gaaaatgaaa	aaaccgagg	tacaaacctg	300
aaaaggggag	atcaaagatt	gatggaaata	tgtgaaagtc	tgagaaaaac	taagcagaag	360
atttctcatg	aacttcaagt	caaggagtca	caagtgaatt	tccagggaag	acaactgaat	420
tcaggcaaaa	aacaaataga	aaaactggaa	caggaaactta	aaagtgtaaa	tctgacttga	480
aagaagcaac	aactggcatc	t				501

<210> 153
 <211> 501
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(501)
 <223> n = A,T,C or G

<400> 153
 agagagagag agagagagag gagcgagaga gtgtgagcga gaaagaataa aaggaaagaa 60
 gattttctct atgtatataa agatggccac gttagcaaac ggacaggctg acaacgcaag 120
 cctcagtacc aacgggctcg gcagcagccc gggcagtgcc gggcacatga acggattaag 180
 ccacagcccg gggaacccgt cgaccattcc catgaaggac cacgatgcca tcaagctggt 240
 cattgggcag atccccgcga cctggatgag aaggacctca agcccctctt cgaggagtgt 300
 ggcaaaatct acgagcttac ggttctgaag gacaggttca caggcatgca caaaggctgc 360
 gccttcctca cctactgcga gcgtgagtcg gcgctgaagg cccagagcgc gctgcacgag 420
 cagaagactc tgcccgggat gaacccggcc cgatccnagg tgaagccttg cggacagcga 480
 gaaccgagga gatagaaact c 501

<210> 154
 <211> 501
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(501)
 <223> n = A,T,C or G

<400> 154
 ttccttcctg tgtgaggcgg gctgagggca cttgctcttg ctgtttctgc ccctgggtta 60
 acattcaaga tggtagatgc tgaagccttt tctcgctcct tgagtcggaa tgaagttggt 120
 ggtttaattt tccgtttgac aatatattgg gtagtgacat actttactat caaatggatg 180
 gtagatgcaa ttgatccaac cagaaagcaa aaagtagaag ctcaagaaaca ggcagaaaaa 240
 ctaatgaagc aaattgggag tgaaaaaatgt gaagctctca gaatatgaaa tgagtattgc 300
 tgctcatctt gtagaccctc ttaatatgca tgttacttgg agtgatatag cagggtttaga 360
 tgatgtcatt acggatctga aagacacagt catcttacct atcaaaaaga aacatttggt 420
 tgagaattcc aggcctctgc agcctccaaa aggtgntctt ctctatgggc ctccagctgt 480
 ggtaaaacgt tgattgcca g 501

<210> 155
 <211> 601
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(601)
 <223> n = A,T,C or G

<400> 155

```
<210> 156
<211> 501
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(501)
<223> n = A,T,C or G
```

<400>	156						
caagaaagga	gaaagagagc	tcaaaatcgg	agacagagta	ttggttggtg	gcactaaggc		60
tggtgtagtc	cggtttcttg	gggagaccga	ctttgccaa	ggggagtgg	gtggcgtgga		120
gttagatgag	ccacttgga	agaatgatgg	cgctgttgct	ggaacaaggt	attttcagtg		180
tcaacccaaa	tatggcttgt	tcgctcctgt	ccacaaagt	accaagattg	gcttccttc		240
cactacacca	gccaaagcca	aggccaacgc	agtgaggcga	gtgatggcga	ccacgtccgc		300
cagcctgaag	cgcagccctt	ctgcctcttc	cctcagctcc	atgagctcag	tggcctcctc		360
tgtgagcagc	angccagtc	ggacaggact	attgactgaa	acctcctccc	gttacgccag		420
gaagatctcc	ggtaaccactg	ccctccanga	ggcccttgaa	ggaaaaacan	cagcacattg		480
agcancttgc	tggcnqgaac	c					501

```
<210> 157
<211> 501
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(501)
<223> n = A,T,C or G
```

<400> 157						
caccctcttc	gtcgcttcgg	ccagtgtgtc	gggctgggcc	ctgacaagcc	acctgaggag	60
aggctcggag	ccgggcccg	acccggcgga	ttgccgccg	cttctctcta	gtctcacgag	120
gggtttccg	cctcgaccc	ccacctctgg	acttgcttt	ccttctcttc	tccgcgtgtg	180
gagggagcca	gcgcttanc	cggagcgagc	ctgggggccg	ccgcgcgtga	agacatcgcg	240
gggaccgatt	caccatgnag	ggcgccggcg	gngcgaaacga	caagaaaaag	ataagttctg	300
aacgtcgaaa	agaaaagtct	cgagatgcag	ccanatctcg	gcgaagtaaa	gaatctgaag	360
ttttttatga	gcttgctcat	cagttgccac	ttccacataa	tgtgagttcg	catcttgata	420
angcctcttg	tgatgaggct	taccatcagc	tatttgcggtg	tgaggaaact	tctggatgct	480
ggtgatttgg	atattgaaga	t				501

<210> 158
 <211> 501
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(501)
 <223> n = A,T,C or G

```
<400> 158
acgggggtcac ccacacggtg cccatctacg agggctacgc cctcccccac gccatcctgc      60
gtctggacctt ggtggccgg gacctgaccg actacctcat gaagatcctc actgagcgag      120
gctacagctt caccaccacg gccgagcggg aaatcgtgcg cgacatcaag gagaagctgt      180
gctacgtcgc cctggacttc gagcaggaga tggccaccgc cgcatacctcc tcttctctgg      240
agaagagcta cgagctgccc gatggccagg tcatcaccat tggcaatgag cgggtccgggt      300
gtccggaggc gctgttccag ccttccttcc tgggtatgga atcttgccgn attcacgana      360
ccaccttcaa ctccatcatg aagtgtgacg tggacatccg caaagacctg tacgccaaca      420
ccgtgctgtc gggcggnacc accatgtacc cgggcattgc cgacaggatg caaaaaggag      480
atcacccgcc cttggcgccc a                                     501
```

<210> 159
 <211> 501
 <212> DNA
 <213> Homo sapien

```
<400> 159
cgagcggggac tggctgggtc ggttgggctg ctggtgcgag gagccgcggg gctgtgctcg      60
gcgcccaagg ggacagcgcg tgggtggccg aggatgctgc ggggcggtag ctccggcgcc      120
cctagctggt gactgctgcg ccgtgcctca cacagcccg ggcgggctcg gcgcacagtc      180
gctgtccgc gcgcgcgcc ggccgcgcgc caggtgctga cagcgcgaga gagcgcggcc      240
ctcaggagca aggcgaatgt atgacaacat gtccacaatg gtgtacataa aggaagacaa      300
gttggagaag cttacacagg atgaaattat ttctaagaca aagcaagtaa ttcaggggct      360
ggaagctttg aagaatgagc acaattccat tttacaaagt ttgctggaga cactgaagtg      420
tttgaagaaa gatgatgaaa gtaatttggg ggaggagaaa tcaaacatga tccggaagt c      480
actggagatg ttggagctcg g                                     501
```

<210> 160
 <211> 487
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(487)
 <223> n = A,T,C or G

```
<400> 160
aagatctcag tctgactctt ttggaacaag tcaaaactgcc catgatgttg ctgatcagcc      60
aaggcctgga tcagagggga gcttctgtgc atcttcaaac tctccaatgc actcccaagg      120
ccagcagttc tctggtgtct cccaacttcc tggacctgtg ccacttcagg agtaactgat      180
acacagaata ctgtaaatat ggccaagca gatacagaga aattgagaca gcggcagaag      240
ttacgtgaaa tcattctcca gcagcaacag cagaagaaga ttgcaggtcg acaggagaag      300
gggtcacagg actcacccgc agtgccctca tccanggcct ctttaacact ggcaaccaag      360
```

```

agaatggta acccaggctt ttaaccaana acccccacct tccttttctt gggggaacat 420
ttaggtcttc ctggttgcc ccttcctttt anggaacctt anaatttgc tggtttttcc 480
ccnaaaa 487

```

```

<210> 161
<211> 501
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(501)
<223> n = A,T,C or G

```

```

<400> 161
ggttccggc ccagtccgt cctgcagcag tctgctctct ctttcaacat gacagatgcc 60
gctgtgtcct tcgccaagga ctctctggca ggtggagtgg ccgcagccat ctccaagacg 120
gcggtagcgc ccatcgagcg ggtcaagctg ctgctgcagg tgcagcatgc cagcaagcag 180
atcactgcag ataagcaata caaaggcatt atagactgcg tggccgtat tcccaaggag 240
cagggagttc tgtccttctg gcgcggtaac ctggccaatg tcatcagata cttccccacc 300
caggctctta acttcgcctt caaagataaa tacaagcaga tcttcctggg tgggtgtggac 360
aagagaacct agttttggcg ctactttgca gggaatctgg catcgggtgg tgcgcangg 420
gccacatccc tgtgttttgt gtaccctctt gattttgcc gtaccctgtt ancanctgat 480
gtggggtaaa agctggagct g 501

```

```

<210> 162
<211> 501
<212> DNA
<213> Homo sapien

```

```

<400> 162
gaaaaagaaa aagaactaca acggcagaaa gaaaaggaaa aagaactaca aaagatgaaa 60
gaacaagaaa aggaatgtga gctggagaag gaaagggaag aattagagga gaaaattgaa 120
cccagagaaa ctaattttaga gccatggta gaaaaacaag aaagtgaaga cagctgtaat 180
aaagaggagg aaccogtttt cactagacaa gacagcaatc gcagtgaaga ggaagccaca 240
ccagtgggtgc atgaaacaga accagaatca ggggtctcaac ctgcggccggc tgtattatct 300
ggctatttca aacagtttca gaagtcttta cctccacgat tccagcgga gcaggaacag 360
atgaaacagc agcagtggca gcagcagcaa cagcaagggt tacttccaga ctgttccttc 420
caaccgtcca gtagtactgt cctcctccc cacacagacc tcttttcagc ctatgcagcc 480
tctcctcagc atttggttc t 501

```

```

<210> 163
<211> 501
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(501)
<223> n = A,T,C or G

```

```

<400> 163
gagctcgacc agttgcctga cgagagctct tcagcaaaag ccttggtcag tttaaaagaa 60
ggaagcttat ctaacacgtg gaatgaaaag tacagttctt tacagaaaac acctgtttgg 120

```

```

aaaggcagga atacaagctc tgetgtggaa atgccttttc agaaattcaa aacgaagtcg      180
acttttttct gatgaagatg ataggcaaat aaatacaagg tcacctaaaa gaaaccagag      240
ggttgcaatg gttccacaga aattttacagc aacaatgtca acaccagata agaaagcttc      300
acagaagatt ggttttcgat tacgtaatct gctcaagctt cctaaagcac ataaatggtg      360
tatatacgag tggttctatt caaatataga taaaccactt tttgaagggtg ataatgactt      420
ttgtgtatgt ctaaaggaat ctttttcta tttgaaaacaa gaaagttaac aagagtagaa      480
tggggaaaaa ttncgcggt t

```

<210> 164

<211> 501

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(501)

<223> n = A,T,C or G

<400> 164

```

cgggtgcgcg cccacgaccg ccagactcga gcagtctctg gaacacgctg cggggctccc      60
gggcctgagc caggtctgtt ctccacgcag gtgttcgcgc cgccccgttc agccatgtcg      120
tccggcatcc atgtagcgct ggtgactgga ggcaacaagg ggcatcggct tggccatcgt      180
gcgcgacctg tgccggctgt tctcggggga cgtggtgctc acggcgcggg acgtgacgcg      240
gggccaggcg gccgtacagc agctgcaggc ggagggcctg agcccgcgct tccaccagct      300
ggacatcgac gatctgcaga gcacccgcgc cctgcgcgac ttcttgcgca aggagtacgg      360
gggcctggac gtgctgtgtc acaacgcggg catgcgcttc aaggttgctg atcccacacc      420
ctttcatatt caagctgaag tgacgatgaa aacaaatttc tttggtacct ganatgtgtg      480
cacagaatta ctccctctaa t

```

<210> 165

<211> 501

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(501)

<223> n = A,T,C or G

<400> 165

```

ccggtgaagg accgcgaggc cttccagagg ctcaacttcc tgtaccaggt gagtctgcga      60
caagggcccc acggggacgg tgctcggcgt cccagagtga ctgctccct cccgcaggcc      120
gccattgtg tccttgccca ggaccccgag aaccangcgc tggcgagggt ttactgctac      180
actgagagga ccattgcgaa gcggctcgtc ttgcggcggg atccctcggt gaagaggact      240
ctctgtcgag gctgctcttc cctcctcgtc ccgggcctca cctgcacca ccgccagaga      300
cgctgcaggg gacagcgtg gaccgtacag acctgcctaa catgccagcg cagccaacgc      360
tnnctcaatg atccnnggca tttactntgg ggagacnggn ctgaggccca actcgggagc      420
caagcagatt ccaaaccact acaacccttg ccaaacacag cccactccat ttcagaccgc      480
cttcctgagg agaaaatgca g

```

<210> 166

<211> 412

<212> DNA

<213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(412)
 <223> n = A,T,C or G

<400> 166
 atgtccaagc cggtggacca cgtcaagcgg cccatgaacg ccttcattggt gtggtcgcgg 60
 gctcagcggc gcaagatggc ccaggagaac cccaagatgc acaactcgga gatcagcaag 120
 cgcttggggcg ccgagtggaa actgctcaca gaggcggaga agcggccggt catcgacgag 180
 gccaaagcgtc tacgcgccat gcacatgaag gagcaccgcg actacaagta ccggccgcgg 240
 cgcaagccca agacgctgct caagaaggac aagttcgctt tcccgggtgcc ctacggcctg 300
 ggcggcgtgg cggacgccga gcaccctgcg ctcaaggcgg gcgccgggct gcacgcgggg 360
 gcgggcggcg gnetggtgcc tgagtcgctg ctgcaccaat ccgagaaggc gg 412

<210> 167
 <211> 501
 <212> DNA
 <213> Homo sapien

<400> 167
 aaatgcaagt tgatctggag aaagaattac aatctgcttt taatgagata acaaaactca 60
 cctcccttat agatggcaaa gttccaaaag atttgctctg taatttggaa ttggaaggaa 120
 agattactga tcttcagaaa gaactaaata aagaaagtgg aagaaaaatg aagctttgcg 180
 ggaagaagtc attttgcttt cagaattgaa atctttacct tctgaagtag aaaggctgag 240
 gaaagagata caagacaaat ctgaagagct ccatataata acatcagaaa aagataaatt 300
 gttttctgaa gtagttcata aggagagtag agttcaagggt ttacttgaag aaattgggaa 360
 aacaaaagat gacctagcaa ctacacagtc gaattataaa agcactgac aagaattcca 420
 aaatttcaaa acccttcata tggactttga gcaaaaagat aagatggtcc ttgaggagaa 480
 tgagagaatg aatcaggaaa t 501

<210> 168
 <211> 501
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(501)
 <223> n = A,T,C or G

<400> 168
 gggggccgcg gagctcgcgc caggctcctg ggaaaggacg gggagtgtta ccggggagca 60
 gctgctccat tgtgcctcga ggccccgacg gggttaggcc gacggcctcc ctcccttcac 120
 ctttctcttc ctggcgggggt tcggcggcgg gcgagtgaact tgcggccacg cctgaaaggc 180
 gactctcctg attcaagatg accaacgaag aacctcttcc caagaagggt cgattgagtg 240
 aaacagactt caaagttatg gcaagagatg agttaattct aagatggaaa caatatgaag 300
 catatgtaca agctttggag ggcaagtaca cagatcttaa ctctaatgat gtaactggcc 360
 taagagagtc tgaagaaaaa ctaaagcaac aacagcagga gtctgcacgc agggaaaaca 420
 tccttgtaat gcgactagca accaaggaa aagagatgca agagtgtact acttaaatcc 480
 agtacctcaa gcaagtccan c 501

<210> 169
 <211> 501

<212> DNA

<213> Homo sapien

<400> 169

gctgtgcgcc	ggtcccgccg	cggcgatgt	tcccgggcac	tccttgagta	gcggcagctt	60
atcccccgcc	cgtagcccg	ccttggtccc	cggtctctc	gctggctggc	gcggccccgg	120
ccccgctctg	cgtagcccg	gcccgggtgg	agggcgcgca	gggggacgcg	gcccgggatg	180
agcggattgc	gggtgaactc	gcccggcggg	ggccccgcga	agccgtgagc	cgctgctttt	240
ctccgagtcg	ccgcccgcgc	cttggtattg	agatcatgtc	catccacatc	gtggcgctgg	300
ggaacgaggg	ggacacattc	caccaggaca	accggccgtc	ggggcttata	cgcaattacc	360
tggggagaag	ccctctggtc	tccggggacg	agagcagctt	gttgctgaac	gcggccagca	420
cggtcgcgcg	tccggtgttc	accaggtatc	aggccagtgc	gtttgggaat	gtcaaagctg	480
gtggtccacg	actgtcccg	c				501

<210> 170

<211> 501

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(501)

<223> n = A,T,C or G

<400> 170

gcatectctt	gccgttcccg	gtgtttgggc	cttgccctgtg	acggtgggaa	aagaaaatgg	60
ccttgctgtg	ctacaaccgg	ggctgcggtc	agcgcttcga	tcctgagacc	aattccgacg	120
atgcttgac	ataccaccca	ggtgttccgg	tctttcacga	tgcattaaag	ggttggctct	180
gctgtaagag	aagaacaact	gattttttctg	atttcttaag	cattgtaggc	tgtacaaaag	240
gtagacataa	tagtgagaag	ccacctgagc	cagtcaaacc	tgaagtcaag	actactgaga	300
agaaggagct	atgtgaatta	aaacccaaat	ttcangaaca	catcattcaa	gcccctaagc	360
cagtagaagc	aataaaaaga	ccaagccag	atgaaccaat	gacaaatttg	gaattaaaaa	420
tatctgcctc	cctaaaaaaa	gcacttgata	aacttaaact	gtcatcaggg	aatgaagaaa	480
atnagaaaaga	agaagacnat	g				501

<210> 171

<211> 601

<212> DNA

<213> Homo sapien

<400> 171

agcgacctat	cttgaactcc	acagccttga	tgactttctac	ataggaaaagt	attttggagg	60
agtgttgag	tattttatga	ttcaagcctt	aaatcagaag	acaagtgaag	aatgaagaa	120
aagaaaaatg	agcaactcct	ttcatggaat	tagaccacct	caacttgaac	aaccagaaaa	180
aatgcctgtc	ttaaaaggctg	aagcgtcaca	ttataactct	gacttaata	acttgctgtt	240
ctgctgccag	tgtgtggacg	tggatatttt	caaccccaat	ttaaagaaag	ttgtagaggc	300
ccacaagatc	gttctctgcg	ctgtaagcca	tgttttcatg	ctgcttttca	atgtgaagag	360
tcccactgac	attcaggatt	ccagtatcat	ccgaactacc	caggatcttt	ttgctataaa	420
cagagatact	gcatttccag	gtgctagcca	tgaatcttca	ggcaaccac	cattacgagt	480
cattgttaaa	gacgcctct	tctgttcttg	tttatcagac	atccttcgct	tcattttattc	540
aggtgctttt	cagtgggaag	aattggaaga	agatatcagg	aagaagtga	aagattctgg	600
g						601

<210> 172

<211> 501
 <212> DNA
 <213> Homo sapien

<400> 172
 gaccgttttaa aaaactggta tccagctcac atagaagaca ttgactacga ggaaggaaaa 60
 gtactcatcc atttcaagcg ttggaaccat cgttatgatg agtggttctg ctgggacagt 120
 ccttattttac gcccttttaga gaaaatacag ctgaggaaag aggggttgca tgaagaggat 180
 ggatcttctg aatttcaaat aaatgagcag gtcccttgctt gctggtctga ttgtcgtttt 240
 taccggcca aagtcactgc tgttaacaag gatggtactt acaactgtgaa attttatgat 300
 ggagtagttc agactgtcaa acatattcat gtcaaagctt ttccaaaga tcagaatatt 360
 gtgggtaatg ctaggcctaa agaaacagat cacaaaagtc tttcatcatc tctgataaaa 420
 cgagagaagt ttaaagaaca gagaaaagca acagtgaatg tgaagaaaga caaagaagat 480
 aaacccttaa agacagaaaa g 501

<210> 173
 <211> 501
 <212> DNA
 <213> Homo sapien

<400> 173
 gcgacctatc ttgaactcca cagccttgat gacttctaca taggaaagta ttttgaggga 60
 gtgttgaggt attttatgat tcaagcctta aatcagaaga caagtgaata aatgaagaaa 120
 agaaaaatga gcaactcctt tcatggaatt agaccacctc aacttgaaca accagaaaaa 180
 atgcctgtct taaaggctga agcgtcacat tataactctg acttaaataa ctgtgtgttc 240
 tgcctgccagt gtgtggacgt ggtattttac aaccccaatt taaagaaagt tgtagaggcc 300
 cacaagatcg ttctctgcgc tgtaagccat gttttcatgc tgcttttcaa tgtgaagagt 360
 cccactgaca ttcaggattc cagtatcatc cgaactacct aggatctttt tgctataaac 420
 agagatactg catttccagg tgctagccat gaatcttcag gcaaccacc attacgagtc 480
 attgttaag acgcctctt c 501

<210> 174
 <211> 501
 <212> DNA
 <213> Homo sapien

<400> 174
 ccccgaggag cgggcccgtc ggcgcagccg cgaagatgcc gttggaactg acgcagagcc 60
 gagtgcagaa gatctgggtg cccgtggacc acaggccctc gttgcccaga tcctgtgggc 120
 caaagctgac caactcccc accgtcatcg tcatggtggg cctccccgcc cggggcaaga 180
 cctacatctc caagaagctg actcgtacc tcaactggat tggcgtcccc acaaaagtgt 240
 tcaacgtcgg ggagtatcgc cgggaggctg tgaagcagta cagctcctac aacttcttcc 300
 gcccgacaaa tgaggaaagc atgaaagtcc ggaagcaatg tgccttagct gccttgagag 360
 atgtcaaaag ctacctggcg aaagaagggg gacaaattgc ggttttcgat gccaccaata 420
 ctactagaga gaggagacac atgatacttc attttgccaa agaaaatgac ttttaaggcgt 480
 ttttcatcga gtcggtgtgc g 501

<210> 175
 <211> 501
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature

<222> (1)...(501)

<223> n = A,T,C or G

<400> 175

ccaacatgac	cgaacgaaga	agggacgagc	tctctgaaga	gatcaacaac	ttaagagaga	60
aggatcatgaa	gcagtcggag	gagaacaaca	acctgcagag	ccaggtgcag	aagctcacag	120
aggagaacac	cacccttcga	gagcaagtgg	aaccaccccc	tgaggatgag	gatgatgaca	180
tcgagctccg	cgggtgctgca	gcagctgctg	ccccaccccc	tccaatagag	gaagagtgcc	240
cagaagacct	cccagagaag	ttcgatggca	accagacat	gctggctcct	ttcatggccc	300
agtgccagat	cttcatggaa	aagagcaaca	gggatttctc	agttgatcgt	gtccgtgtct	360
gcttcgtgac	aagcatgatg	accggccgtg	ctgccgttgg	gcctcagcaa	agctggagcg	420
ctccactacc	tgatgcacaa	ctaccactt	tcatgatgga	aatgaagcat	gtctttgaag	480
accctcanag	gcgagaggtt	g				501

<210> 176

<211> 378

<212> DNA

<213> Homo sapien

<400> 176

ggcggaagag	gtgatttatt	atatggttgt	tacactcggc	cacaaataaa	cacagaaata	60
gtccagaatg	tcacaggtcc	agggcagagg	accaacatgg	gcattttgtt	tatgagcaag	120
gtgggtctca	gaggtgatcg	gcgatcagag	ggcgatgaag	ttctagatcc	attgagacaa	180
gctctagaca	gtagcatgca	gtcccacaac	ttgtaccagc	atccccagcg	tctggcattc	240
catgtttctg	ctcctgtggc	ctccacgggtg	caacaagcta	gcggtttact	tggacctctg	300
cctcatcttt	cttcttttgc	gcttcagcct	gcgcattcgc	ttcttcctcc	acttggctct	360
catggcgag	aggtttcc					378

<210> 177

<211> 501

<212> DNA

<213> Homo sapien

<400> 177

ggcagggagc	tggacctgga	ggcgccgcgc	cgacagcagc	agccatggag	gacgagatgc	60
ccaagactct	atacgtcggg	aacctttcca	gagatgtgac	agaagctcta	attctgcaac	120
tctttagcca	gattggacct	tgtaaaaact	gcaaaatgat	tatggataca	gctggaaatg	180
atccctattg	ttttgtggag	tttcatgagc	atcgtcatgc	agctgcagca	ttagctgcta	240
tgaatggagc	gaagataatg	ggtaagggaag	tcaaagtga	ttgggcaaca	accocagca	300
gtcaaaagaa	agatacaagc	aatcatttcc	atgtctttgt	tggatgctc	agcccagaaa	360
ttacaactga	agatataaaa	gctgcttttg	caccatttgg	aagaatatca	gatgcccag	420
tggtaaaaga	catggcaaca	ggaaagtcta	agggatatgg	ctttgtctcc	tttttcaaca	480
aatgggatgc	tgaaaacgcc	a				501

<210> 178

<211> 501

<212> DNA

<213> Homo sapien

<400> 178

agccccgggc	cagggccgcgc	ccggggcagc	agcgcagggc	ctttgttatg	cacctaaagc	60
catattggaa	gctccagaag	aaagagcacc	ccccgggaag	cagcagggaa	acgcagagaa	120
ctcctatgaa	ccaccaaag	gctgtaaatg	atgaaacatg	caaagctagc	cacataacat	180
caagtgtctt	tccttcagcc	tctctcggtg	aagcatcatc	tcgaaagcca	tttgggatcc	240

tttctccaaa	tgttctgtgc	agtatgagtg	ggaagagtc	tgtagagagc	agcttgaatg	300
ttaaaaccaa	aaagaatgca	ccatctgcaa	cgatccacca	gggcgaagaa	gaaggaccac	360
ttgatatctg	ggctgttgtg	aaacctggaa	ataccaagga	aaaaattgca	ttctttgcat	420
cccaccagtg	tagtaacagg	ataggatcta	tgaaaataaa	aagttcctgg	gatattgatg	480
ggagagctac	taagagaagg	a				501

<210> 179

<211> 501

<212> DNA

<213> Homo sapien

<400> 179

cgggactagg	agcgcggcgg	ggccggcgcc	agagctgtcc	ggctgcgcgg	tggcccgggg	60
ggcccgggcg	gcagggcaag	cagcgcggcc	tcggcctatg	cgaccggtgg	cgccggcgcg	120
gcttctgcct	ggagaggatt	caagatgacc	aacgaagaac	ctcttcccaa	gaagggttca	180
ttgagtga	cagacttcaa	agttatggca	agagatgagt	taattctaag	atggaaacaa	240
tatgaagcat	atgtacaagc	tttggagggc	aagtacacag	atcttaactc	taatgatgta	300
actggcctaa	gagagtctga	agaaaaacta	aagcaacaac	agcaggagtc	tgcacgcagg	360
gaaaacatcc	ttgtaatgcg	actagcaacc	aaggaacaag	agatgcaaga	gtgtactact	420
caaatccagt	acctcaagca	agtccagcag	cccgagcggt	gccaactgag	atcaacaatg	480
gtagaccag	cgatcaactt	t				501

<210> 180

<211> 571

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(571)

<223> n = A,T,C or G

<400> 180

gagcgtagcc	ggttttctcc	atgctgtttc	ttactctcct	cttttgcacc	cctcccattt	60
ccctcgtttt	tctttgaaaa	tttctccccc	ctccagttcg	ctgtccggcc	ctcacatgtg	120
tganaggggc	agtgtgccgt	taatggccgt	gccgggcacc	ggcccgctct	ggtagtgctg	180
ggacatgtga	agtctgctgg	ggcgggcggg	ttccggcacc	tcggcgccgg	ggagatacat	240
gctgatcatg	tcccggaggt	ccccggcctg	gcagggcgcc	ctggagtggg	aggaagaggt	300
aaccacaggg	gggctggagc	tggcctcgga	cttgaccacc	gaacccatgg	agccaanagc	360
catgccaggg	gtgccctgct	gcgagtagga	catgctgtag	gtgggcgagc	cgttcatgta	420
ggtctgcgag	ctgggtcatgg	agttgtactg	cagggcgctc	acgtcgtaac	ggtgcatggg	480
ctgcactctg	gctgcgccgt	gcgcattgag	gcccggtg	tgngggtagc	ccaactggtc	540
ctgcactcatg	ctgtactg	gntgctccac	c			571

<210> 181

<211> 501

<212> DNA

<213> Homo sapien

<400> 181

tgagaccgcc	aagatggtgg	tgggcgcggt	ccctatggcg	aagctgctat	acttgggcat	60
ccggcaggtc	agcaagccgc	ttgccaaccg	tattaaggag	gccgcccgcc	gaagcgagtt	120
cttcaagacc	tatatctgcc	tcccgcgggc	tcaactgtat	cactgggtgg	agatgcggac	180
caagatgcgc	atcatgggct	tccggggcac	ggtcatcaag	ccgctgaacg	aggaggcggc	240

agccgagctg	ggcgcagagc	tgctgggcca	agccaccatc	ttcatcgtgg	gcggcggctg	300
cctagtgtctg	gagtactggc	gccaccaggc	gcagcagcgc	cacaaggagg	aggagcagcg	360
tgctgcctgg	aacgcgctgc	gggacgaggt	gggccacctg	gcgctggcgc	tggaagcgct	420
gcaggcgcag	gtgcaggcgg	cgccgccaca	gggcgccttg	gaggaactgc	gcacagaact	480
gcaagaggtg	cgcgcgccact	c				501

<210> 182

<211> 501

<212> DNA

<213> Homo sapien

<400> 182

ccccagcaga	catgtttgcc	aaggcctttc	gggtcaagtc	caacacggcc	atcaaggggt	60
cggacaggag	aaagcttcga	gctgatgtga	caactgcttt	ccccaccctt	ggaactgatc	120
aagtctctga	gttagtacct	ggaaaggagg	agctcaacat	tgtgaagttg	tatgctcaca	180
aaggggatgc	agtgactgtg	tacgtgagtg	gtggttaacc	catcctcttt	gaactggaga	240
aaaatctgta	tccaacagtg	tacacgctgt	ggtcctatcc	tgatcttctg	ccaaccttta	300
caacatggcc	tctgggtgctc	gagaaactgg	tagggggagc	agatttgatg	ctgcctggac	360
tggtgatgcc	cctgctgggt	ctgcctcagg	tacagaaggg	cgacctctgt	gccatttctt	420
tggtggggaa	cagagccctt	gtagccattg	gagttgcagc	catgtccaca	gctgagatgc	480
tcacgtcagg	cctgaaggga	a				501

<210> 183

<211> 501

<212> DNA

<213> Homo sapien

<400> 183

atctgtctac	tttagcactc	tggcaattaa	acagaacccc	cttctggcag	aagcttattc	60
gaatttgggg	aatgtgtaca	aggaaagagg	gcagttgcag	gaggcaattg	agcattatcg	120
acatgcattg	cgtctcaaac	ctgatttcat	cgatggttat	attaacctgg	cagccgcctt	180
ggtagcagcg	ggtgacatgg	aaggggcagt	acaagcttac	gtctctgctc	ttcagtacaa	240
tcctgatttg	tactgtgttc	gcagtgcact	ggggaacctg	ctcaaagccc	tgggtcgctt	300
ggaagaagcc	aaggcatgtt	atttgaaagc	aattgagacg	caaccgaact	ttgcagtagc	360
ttggagtaat	cttggctgtg	ttttcaatgc	acaaggggaa	atttggttg	caattcatca	420
ctttgaaaag	ctgtcacctt	tgacccaaac	tttctggatg	cttatatcaa	tttaggaaat	480
gtcttgaaaag	agcacgcatt	t				501

<210> 184

<211> 501

<212> DNA

<213> Homo sapien

<400> 184

agttctccca	ggagaaagcc	atgttcagtt	cgagcgccaa	gatcgtgaag	cccaatggcg	60
agaagccgga	cgagttcgag	tccggcatct	cccaggctct	tctggagctg	gagatgaact	120
cggacctcaa	ggctcagctc	agggagctga	atattacggc	agctaaggaa	attgaagttg	180
gtgggtggctg	gaaagctatc	ataatctttg	ttcccgttcc	tcaactgaaa	tctttccaga	240
aaatccaagt	ccggtagta	cgcgaattgg	agaaaaagtt	cagtgggaag	catgtcgtct	300
ttatcgctca	gaggagaatt	ctgcctaagc	caactcgaaa	aagccgtaca	aaaaataagc	360
aaaagcgtcc	caggagccgt	actctgacag	ctgtgcacga	tgccatcctt	gaggacttgg	420
tcttcccaag	cgaaattgtg	ggcaagagaa	tccgcgtcaa	actagatggc	agccggctca	480
taaaggttca	tttggacaaa	g				501

<210> 185
 <211> 460
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(460)
 <223> n = A,T,C or G

<400> 185
 gcacaaaatg gcggcgggcg cggcgggcggc tgggtgctgca gggtcggcag ctcccgcggc 60
 agcggccggc gccccgggat ctggggggcg accctcaggg tcgcaggggg tgctgatcgg 120
 ggacaggctg tactccgggg tgctcatcac cttggagaac tgccctcctgc ctgacgacaa 180
 gctccgtttc acgcggtcca tgtcgagcgg cctcgacacc gacacagaga ccgacctccg 240
 cgtgggtggg tgcgagctca tccaggcggc cggatcctctg ctccgcctgc cgcagggtggc 300
 catggctacc gggcagggtgt tgttccagcg gttcttttat accaagtect tcgtgaagca 360
 ctccatggag catgtgtcaa tggcctgtgt ccacctggct tccaagatag aagangcccc 420
 aagaccatac gggacgtcat caatgtgttt caccgccttc 460

<210> 186
 <211> 401
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(401)
 <223> n = A,T,C or G

<400> 186
 cgtgttttgg gccggttctg gagtggctgg cggcggggccc tgggtgtccg cccagtgcc 60
 gaggacgcag gctttggcac cgaagcccgg catcagaggc aaccccgcgg ctccctgccaa 120
 cggtcggggc cctcgggga ccagcccttc gcggggctgc tgccaaaaaa cctcagtcgg 180
 gaggagctgg ttgatgcgct gcgggcagcc gtggtggacc ggaaaggacc tctagtgcg 240
 ttgaacaagc cacagggtct accagtgaac ggaaaaccag gagagctgac gttgttctca 300
 gtgctgccag agctgagcca gtccctangg ctcaggggagc aggagcttca ggttgtccga 360
 ncatctggga agtaagtgtt angggtgaca ggaagctang a 401

<210> 187
 <211> 376
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(376)
 <223> n = A,T,C or G

<400> 187
 gcatccgccc tgtctgggag gtggggggcg cgcctctgnc cagccgccac gtctgggaag 60
 tggggagccc cactgcccgg ctgccacccc gtctgggagg tgtacccaac agctcattga 120
 gaacggggcca tgatgacgat ggcggttttg tcgaatagaa aagggggaaa tgtggggaaa 180
 agaaagagag atcagattgt tactgtgtct gtgtagaaa aagtagacat aggagactcc 240

atTTtGttct	gtactaagaa	aaattcttct	tccttgggat	gctgttaatc	tataacctta	300
ccccaaccc	cgtgctctct	gaaacatatg	ctgtgtcaac	tcagggttaa	atggattaag	360
ggcggtgcaa	gatgtg					376

<210> 188
 <211> 376
 <212> DNA
 <213> Homo sapien

<400> 188						
aacctggagc	gcaccttcat	cgccatcaag	ccggacggcg	tgcagcgcg	cctggtgggc	60
gagatcatca	agegcttcga	gcagaaggga	ttccgcctcg	tgcccatgaa	gttcctccgg	120
gcctctgaag	aacacctgaa	gcagcactac	attgacctga	aagaccgacc	attcttccct	180
gggctgggta	agtacatgaa	ctcaggggccg	gttggtggcca	tggtctggga	ggggctgaac	240
gtgggtgaaga	caggccgagt	gatgcttggg	gagaccaatc	cagcagattc	aaagccaggc	300
accattcggtg	gggactttctg	cattcagggtt	ggcaggaaca	tcattcatgg	cagtgattca	360
gtaaaaagtg	ctgaaa					376

<210> 189
 <211> 501
 <212> DNA
 <213> Homo sapien

<400> 189						
cccctaccgc	ggagcagcac	catgtcggcg	ccggcggcca	aagtcagtaa	aaaggagctc	60
aactccaacc	acgacggggc	cgacgagacc	tcagaaaaag	aacagcaaga	agcgattgaa	120
cacattgatg	aagtacaaaa	tgaaatagac	agacttaatg	aacaagccag	tgaggagatt	180
ttgaaagtag	aacagaaata	taacaaactc	cgccaaccat	tttttcagaa	gaggtcagaa	240
ttgatcgcca	aaatcccaaa	tttttgggta	acaacatttg	tcaaccatcc	acaagtgtct	300
gcactgcttg	gggaggaaga	tgaagaggca	ctgcattatt	tgaccagagt	tgaagtgaca	360
gaatttgaag	atattaaatc	aggttacaga	atagattttt	attttgatga	aaatccttac	420
tttgaaaata	aagttctctc	caaagaattt	catctgaatg	agagtgggtga	tccatcttcg	480
aagtccaccg	aaatcaaatg	g				501

<210> 190
 <211> 501
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(501)
 <223> n = A,T,C or G

<400> 190						
aagttctgaa	gattcatttt	tgtctgccat	tataaattat	actaatagct	ctacagtcca	60
ctttaagttg	tcocctacat	atgtattata	tatggcatgc	cggtatgtat	tgtccaacca	120
gtacagacct	gacatcagcc	ctacagagcg	cacacataaa	gtcattgcag	tcgtcaacaa	180
gatggtgagc	atgatggagg	gtgtcatcca	gaaacagaag	aattattgcag	gggcacttgc	240
cttctggatg	gcaaatgcat	ctgaacttct	caacttcatt	aagcaagacc	gagaccttag	300
tcggatcaca	ctggatgctc	aagatgtttt	agcacatttg	gttcaaattg	catttaaata	360
cttggttcac	tgtcttcaat	cagaacttaa	taattacatg	ccagcctttc	tagatgacct	420
tgaagagAAC	agtctgcaac	gacaaaaaat	agatgatgtg	ctgcacacgc	tcacaggagc	480
catgtncttg	ctacgacgct	g				501

<210> 191
 <211> 501
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(501)
 <223> n = A,T,C or G

<400> 191
 ttgtgctgctgc tcagccacta ccctttcttn gnccactttc cganagtgtt tgtatactct 60
 caagcgccctg gnngactgct gtagtgagcg ctttctgggc aagaaactgg gcatccctcg 120
 aggcgtacaa agggacacca tgtggcggat ctttactgga tcgctgctgg tagaggagaa 180
 gtcaagtgcc cttctgcatg accttcgaga gattgaggcc tggatctatc gattgctgcg 240
 ctccccagta cccgtctctg ggcagaagcg agtagacatc gaggtcctac cccaagagct 300
 ccagccagct ctgaccttg ctcttcaga cccatctcga ttcaccctag tggatttccc 360
 actgcacctt cccttggaac ttgtaggtgt ggacgcctgt ctccagntgc taacctgcat 420
 tctggtagag cacaaggcgg cgctacagtc ccgagactac aatgcactct ccatgtctgt 480
 gatggcatnc atggcaatga t 501

<210> 192
 <211> 501
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(501)
 <223> n = A,T,C or G

<400> 192
 tttganttga accagaagct ccaggaagaa aaacataaaa gcataactga ggcacttagg 60
 agacaggagc agaataataa gagttttgag gagacctatg accgaaagct caagaatgaa 120
 cttctaaact tccacaggct gcatggtgtc tgcttggtt tgggaatcct catatgactt 180
 tggcaggtgt tggagtttgg aggctcttcg ccacaggagt gcttctatct ccttttggaa 240
 ccaaaagggc agctggtaac agctgggaaa ggaagtgaac actgtgaaaa tgtgcctttt 300
 ggtattgcta atccggatat aatgctcttg gcagttggct ctcaggactg tgcttagtcc 360
 ctgagcaciaa aagttcttac cttggttggg ggtgggcaga tggtagaggt ggattggaag 420
 tgaccgtctg attatcattt gggattgagt ctgttgtgtg ctgtgtaaat ttaatttacc 480
 cctttgctct ttgtgtcagt t 501

<210> 193
 <211> 501
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(501)
 <223> n = A,T,C or G

<400> 193

agntttctgc	tctgcctgc	ctgcccgcgc	ccttgcttgc	tgcgccttc	gctgccttc	60
tctctgagga	tgcaggggac	tctgaccaca	gcctgtgget	gggaaggag	acagaggcg	120
cggcggctca	ggggaacga	ggctgcagtg	gtggtagtag	gaagatgtcg	ggcaggagcg	180
agcaacagga	gcaaaactatc	gctgaggacc	tggtcgtgac	caagtataag	atggggggcg	240
acatcgccaa	cagggtactt	cggtccttgg	tggaagcatc	tagctcaggt	gtgtcggtag	300
tgagcctgtg	tgagaaaggt	gatgccatga	ttatggaaga	aacagggaaa	atcttcaaga	360
aagaaaagga	aatgaagaaa	ggtattgctt	ttcccaccag	catttcggta	aataactgtg	420
tatgtcactt	ctcccctttg	aagagcgacc	aggattatat	tctcaaggaa	ggtgacttgg	480
taaaaattga	ccttgggggc	c				501

<210> 194

<211> 560

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(560)

<223> n = A,T,C or G

<400> 194

ggcttcactc	tcacaaactc	cttgaatttc	ttctctttat	tcttttcctt	gtcttttgta	60
gttgggggaa	tggcanagac	ccgcttcctg	gtcagggtct	cctggctggg	cttgtctgaa	120
gctgaagggc	ccctggtttg	gacatgcctc	tttcccgggc	tctcttctgg	ctccagtgc	180
ttctccattc	catggaata	cttcatgtga	tagtgcaaca	gtttggcttt	gcggaaaaat	240
tttaaacagt	ccacaacttt	gcatctaaac	ttatgggtcta	ggtcgacagc	tggtgcatta	300
natgacccaa	aatcatctgt	tttcttaaaa	gtatttgta	cttccacagt	cgaaatctct	360
tgtaattcca	caaggggaga	agtcggttct	gttttcatcg	tgttttctcc	cattgatggg	420
cagttcaact	ccaagcctgc	agccccgat	ccatcccaa	aggagnggca	agtcagtgc	480
natganacct	ggccagcttc	caaagcagac	ttcaactgac	cttcttcaga	ttccttgta	540
ctanacaacg	tgtcttgcaa					560

<210> 195

<211> 582

<212> DNA

<213> Homo sapien

<400> 195

ggcacctggg	gagaaatgga	tggagaaggg	acctggctgg	aaagcctttg	ccccgtgct	60
ctgctccgcc	cataagagga	cccctgaaat	gtcccgtgca	gtttgttcaa	gtcccctgtg	120
tgatgaaatg	tgctctctgc	cttaccctgt	tgagaatacc	tgtggtgtgg	cagcgagtat	180
tttggtattt	gacctgtcca	aagacgactt	gataacctta	taatgtaaca	gaaaagggtca	240
gaaaatatta	agcaagtaga	agtgtggagc	atattaagca	agatgaacat	ctcgggaagc	300
agctgtggaa	gccctaactc	tgcagataca	tctagtgaact	ttaaggacct	ttggacaaaa	360
ctaaaagaat	gtcatgatag	agaagtacaa	ggtttacaag	taaaagtaac	caagctaaaa	420
caggaacgaa	tcttagatgc	acaaagacta	gaagaattct	tcaccaaaaa	tcaacagctg	480
agggaacagc	agaaagtcct	tcatgaaacc	attaaagttt	tagaagatcg	gttaagagca	540
ggcttatgtg	atcgctgtgc	agtaactgaa	gaacatatgc	gg		582

<210> 196

<211> 401

<212> DNA

<213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(401)
 <223> n = A,T,C or G

<400> 196
 aaaccaaaga atggattgaa gagaagaatc aagctctaaa cacagacaat tatggacatg 60
 atctcgccag tgtccaggcc ctgcaacgca agcatgaggg ctctcgagagg gaccttgagg 120
 ctctcgggga caaggtaaac tcccttggtg aaacagcaga gcgcctgac cagtcccatc 180
 ccgagtcagc agaagacctg caggaaaagt gcacagagtt aaaccaggcc tggagcagcc 240
 tggggaaacg tgcagatcag cgcaaggcaa agttgggtga ctcccacgac ctgcagcgct 300
 tccttagcga ttccggggac ctcatgtctt ggatcaatgg aatacggggg ttggtgtcct 360
 cagatgagct anccaaggat gtcaccggag ctgangcatt g 401

<210> 197
 <211> 457
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(457)
 <223> n = A,T,C or G

<400> 197
 agtttcccgg accatggcca acctggagcg caccttcatt gccatcaagc cggacggngt 60
 gcanccgggc ctgggtggcg agatcatcaa gcgcttngan cagaagggat tccgcctcnt 120
 ggccatgaan ttctccggg cctctgaana acacctgaag cagcactaca ttgacctgaa 180
 agaccgacca ttcttccctg ggctgggtgaa ntacatgaac tcagggcccg ttgtggccat 240
 ggtctgggag gggctgaacg tggatgaagc aggcagagtg atgcttgggg agaccaatcc 300
 agnagattca aagccaggca ccattcntgg ggacttctgc attcaggttg gnangaacat 360
 nattcatggn agtgattcan taaaaagtgc tgaaaaanaa atcancctat ggnttaagcc 420
 tgaagaactg gttgactaca agtcttgncc tcatgac 457

<210> 198
 <211> 474
 <212> DNA
 <213> Homo sapien

<400> 198
 aggctgaacc cgaggagatg aaccctttaa ctaagggtgaa gctgatcaac gagctgaatg 60
 aacgagaggt ccagcttggg gtggccgata aggtgtcctg gcaactccgag tacaaggaca 120
 gcgcctggat ctctctggga gggttcctt atgaactgac tgaaggggac atcatctgtg 180
 tgttctcaca atatggggag attgttaaca ttaatctcgt gcgggacaag aaaactggga 240
 aatccaaagg attctgtttc ctctgctatg aagaccagag gagcacaatt ctggcgtctg 300
 acaattttta tgggatcaag atcaaaggaa gaactatccg agtggatcat gtgtctaaact 360
 atcgggctcc taaggactca gaagaaatag atgatgtgac cagacaactc caggagaagg 420
 gctgtggggc tcgtaccccc tcaccaagtt tgtctgagag ctctgaagat gaaa 474

<210> 199
 <211> 574
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(574)
 <223> n = A,T,C or G

<400> 199
 gagaagaac aggaagaaga agaaacgatg cagcaagcga catgggtaaa atacacattt 60
 ccagttaagc atcagggttg gaaacaaaaa ggtgaagagt acagagtgc aggatatggt 120
 gggtggagct ggattagtaa aactcatgtt tatagggttg ttcttaaatt gccaggcaat 180
 actaatgtga attacagaaa gtogttagaa ggaaatgtga aggagctctt agattctgac 240
 agtgataaac cctgcaagga agaaccaatg gaagtagacg atgacatgaa aacagagtca 300
 catgtaaatt gtcaggagag ttctcaagta gatgtggtca atgttagtga ggggttttcat 360
 ctaaggacta gttacaaaaa gaaaacaaaa tcatccaaac tagatggact tcttgaaagg 420
 agaattaac agtttacact ggaagaaaaa cagcgactcg aaaaaatcaa gttggagggt 480
 ggaattaagg gtataaggaa agactttctac aaattcttca aaaaatctct ctgaatcacc 540
 agtaataacc gaaagcaaaa gaanggtgtc agag 574

<210> 200
 <211> 522
 <212> DNA
 <213> Homo sapien

<400> 200
 tccataacct tatggagaga aaggactttg agacatggct tgataacatt tctgttacat 60
 ttctttctct gacggacttg cagaaaaatg aaactctgga tcacctgatt agtctgagt 120
 gggcagtcga gctcaggcat ctctccaata acctagagac tctcctcaag cgggacttcc 180
 tcaaactcct tccctggag ctcatgtttt atttgttaaa atggctcgat cctcagactt 240
 tactcacatg ctgcctcgtc tctaaacagt ggaataagggt gataagtgcc tgtacagagg 300
 tgtggcagac tgcattgtaa aatttgggct ggcagataga tgattctgtt caggacgctt 360
 tgcactggaa gaagggttat ttgaaggcta ttttgagaat gaagcaactg gaggaccatg 420
 aagcctttga aacctcgta ttaattggac acagtgccag agtgtatgca ctttactaca 480
 aagatggact tctctgtaca gggtcagatg acttgctgca aa 522

<210> 201
 <211> 501
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(501)
 <223> n = A,T,C or G

<400> 201
 atctccgctt ggttcggccc gcctgcctcc actcctgcct ctaccatgtc catcagggtg 60
 acccagaagt cctacaaggt gtccacctct ggccccggg ccttcagcag ccgtccctac 120
 acgagtgggc ccggttcccg catcagctcc tcgagcttct cccgagtggg cagcagcaac 180
 ttctcgcggtg gcctgggccc cggctatggt ggggccagcg gcatgggagg catcaccgca 240
 gttacgggtca accagagcct gctgagcccc cttgtcctgg aggtggacc caacatccag 300
 gccgtgcgca cccaggagaa ggagcagatc aagacctca acaacaagt tgcctccttc 360
 atagacaagg tacggttccct ggagcancag aacaagatgc tggagaccaa gtggagcctt 420
 cttgcagcag cagaagacgg ctccaagcaa catggacaac atgttcnaaa gctacatcaa 480
 caaccttagg cgnagcttga a 501

<210> 202
 <211> 501
 <212> DNA
 <213> Homo sapien

<400> 202
 gcgttctgtg gagagagtgc gaggtcaggc catgaacttg ggagatggtt taaagcttga 60
 aactaaatta ctggatggaa aaaccaagct aatattgtct ccatatgaac ataaatcaaa 120
 aatttctgtg aagatgggaa ataaggccaa gattgcaaaa tgtcctttaa gaacaaaaac 180
 tgggcacatt ctaaaatcaa cacaagatac ttgtattggg agtgaaaaac ttttgcaaaa 240
 gaagccagtt ggttcagaaa catcacaggc aaaagggtgaa aaaaatggaa tgactttttc 300
 atccactaag gatttatgta aacaatgtat agataaagac tgtcttcata tccagaaaga 360
 gatttcacct gcaactccta atatgcagaa gactagaaac accgtaaata catctctagt 420
 aggtaaacag aagcctcaca aaaaacacat cacagctgaa aacatgaaga gcagtttggt 480
 gtgtctaaca caagaccaac t 501

<210> 203
 <211> 395
 <212> DNA
 <213> Homo sapien

<400> 203
 ctccatcatt gcagactcct tcctacatca tgcgtatcgt tttcattata cactttgtgc 60
 cactttgtct ctagccttca agggattgca cagctacttc attacagtaa cagaagagat 120
 tccttcttgt cagaaactag aactggccaa ggccaacatg cagctcctat atgagcgtct 180
 tctcagaaga aaacagctac gaacacagaa agacaaccat ctagaggaaa tggatgtaga 240
 agctcgactt actgaactat gtgaagaagt taagaaaata gagaatcctg atgaactggc 300
 agaacttata aatatgaatc ttgcgcaact ttgctcactt ttgatggctt tatggggaca 360
 gtttctggaa gttataacgc tacacgaaga actaa 395

<210> 204
 <211> 501
 <212> DNA
 <213> Homo sapien

<400> 204
 aggtcaggca gaaattggag aggggggtca aaagctgctg cggcccaaca gcttgagact 60
 ggcaagtgac tcagatgcag agtcagactc tcgggcaagc tctcccaact ccaccgtctc 120
 caacaccagc accgaggggt tcgggggcat catgtctttt gccagcagcc tctatcggaa 180
 ccacagtaac agcttcagtc tttcaaacct cacactgccc accaaagggtg cccgagagaa 240
 ggccacgccc ttccccagtc tgaaaggaaa caggagggcg ttagtggtatc agaagtcatc 300
 tgtcattaaa cacagcccaa cagtgaaaaag agaacctcca tcaccccagg gtgatccag 360
 caattctagt gagaaccagc agttcctgaa ggaggtggtg cacagcgtgc tggacggcca 420
 gggagttggc tggctcaaca tgaaaaaggt gcgcgggtg ctggagagcg agcagctgcg 480
 agtctttgtc ctgagcaagc t 501

<210> 205
 <211> 501
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(501)

<223> n = A,T,C or G

<400> 205

cagaagtgca	gcggtggcgg	cggtctggtg	cgggccggcg	gcgggctggc	ggagatggag	60
gatcttggtc	aagatggggg	ggcttcacca	gctacccctg	ggaccgggaa	atctaagaat	120
tggagaaaga	aattgaagaa	ctcagatcaa	aacctgttac	tgaaggaaact	ggtgatatta	180
ttaaggcatt	aactgaacgt	ctggatgctc	ttcttctgga	aaaagcagag	actgagcaac	240
agtgtctttc	tctgaaaaag	gaaaaataaa	aaatgaagca	agaggttgag	gattctgtaa	300
caaagatggg	agatgcacat	aaggagttgg	aacaatcaca	tataaactat	gtgaaagaaa	360
ttgaaaattt	gaaaaatgag	ttgatggcag	tacgttccaa	atacagtga	gacaaagcta	420
acttacaaaa	ncagctggaa	naagcaatga	atacncaatt	agaactttca	naacaactta	480
aatttcanaa	caactctgaa	g				501

<210> 206

<211> 599

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(599)

<223> n = A,T,C or G

<400> 206

tgggtgcacc	agctctctgc	tctcccagcg	cagcgccgccc	gcccggcccc	tccagcttcc	60
cggaccattg	ccaacctgga	gcgcaccttc	atcgccatca	agccggacgg	cgtgcagcgc	120
ggcctgggtg	gcgagatcat	caagcgcttc	gagcagaagg	gattccgcct	cgtggccatg	180
aagttcctcc	gggcctctga	agaacacctg	aagcagcact	acattgacct	gaaagaccga	240
ccattcttcc	ctgggctggt	gaagtacatg	aactcagggc	cggtttgtggc	catggtctgg	300
gaggggctga	acgtggtgaa	gacaggccga	gtgatgcttg	gggagaccaa	tccagcagat	360
tcaaagccag	gcaccattcg	tggggacttc	tgcattcagg	ttggcaggaa	catcattcat	420
ggcagtgatt	cagtaaaaaa	tgctgaaaaa	gaaatcagcc	tatggtttaa	gcctgaagaa	480
ctggttgact	acaagtcttg	tgctcatgac	tgggtctatg	aataagaggt	ggacacaaca	540
gcagtctcct	tcacacggcg	tggtgtgtcc	tggacacagt	nttattcttg	acttaaagc	599

<210> 207

<211> 395

<212> DNA

<213> Homo sapien

<400> 207

cgggccgggc	cgagggtcgg	cggccgcggg	cgggccgggc	ccgcgcacag	cgcccgcagc	60
tacaacatga	tggagacgga	gctgaagccg	ccgggcccgc	agcaaacttc	ggggggcggc	120
ggcggaact	ccaccgcggc	ggcgccgggc	ggcaaccaga	aaaacagccc	ggaccgcgtc	180
aagcgcccca	tgaatgcctt	catggtgtgg	tcccgcgggc	agcggcgcaa	gatggccag	240
gagaacccca	agatgcacaa	ctcgagatc	agcaagcgcc	tgggcgcca	gtggaaactt	300
ttgtcggaga	cggagaagcg	gccgttcac	gacgaggcta	agcggtgcg	agcgtgcac	360
atgaaggagc	accgggatta	taaataccgg	ccccg			395

<210> 208

<211> 398

<212> DNA

<213> Homo sapien

<400> 208
 aggcctctcca agccctgctg ttatatTTTT ccaggaggga ggggcgattc tgccttggtt 60
 gcagtgaatg gtttcaatat gctcatcaat ggcgatcag agagaaaatc ctgcttctgg 120
 aagctcatcc gacacttaga ccgagtggac tccatcctgc tcaccacat tggggatgac 180
 aatttgctg gaataaacag catgttacag cggaaaattg cagagctoga ggaagaacag 240
 tcccagggct ccaccacaaa tagtgactgg atgaaaaacc tcctctcccc tgacttagga 300
 gttgtatttc tcaatgtacc tgaaaatctc aaaaatccag agccaaacat caagatgaag 360
 agaagcatag aagaagcctg cttcactctc cagtacct 398

<210> 209
 <211> 501
 <212> DNA
 <213> Homo sapien

<400> 209
 gcgcagcctc ctgggagttg tagtcgcgat cctgaggtaa cggataagtt tataccatgg 60
 atagcacaaa ggagaagtgt gacagttaca aagatgatct tctgcttagg atgggactta 120
 atgataataa agcaggaatg gaaggattag ataaagagaa aattaacaaa attataatgg 180
 aagccacgaa ggggtccaga ttttatggaa atgagctcaa gaaagaaaag caagtcaacc 240
 aacgaattga aaatatgatg caacaaaaag ctcaaatac cagccaacag ctaagaaaag 300
 cacaattaca ggttgacaga tttgcaatgg aattagaaca aagccgaaat ttgagcaata 360
 ccatagtgca cattgacatg gatgctttct atgcagctgt agaaatgagg gacaatccag 420
 aattgaagga taaaccatt gctgtaggat caatgagtat gctgtctact tcaaattacc 480
 atgcaaggag atttggtgtt c 501

<210> 210
 <211> 450
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(450)
 <223> n = A,T,C or G

<400> 210
 cggaacaagt gcagaacagg ataatcggtt cagcaacaaa cagaagaaac tactgaagca 60
 gctgaaatTT gcagaatgcc tagaaaaaaa ggtggacatg agcaaagtaa atttgagggt 120
 tataaagcct tggataacaa aaagagtaac ggaaatcctt gggtttgaag atgatgttgt 180
 gattgagttt atattcaacc agctggaagt gaagaatcca gactccaaa tgatgcaaat 240
 caacctgact ggatttttga atggaaaaaa tgctcgagaa tttatgggag aactgtggcc 300
 cctgctgcta agtgcacaag aaaacatcgc gggaatccct tctgctttcc tagaaactgaa 360
 gaaagaagaa ataaaacaaa gacagattga acaagaaaaa ctggcatcta tgaaaaagcn 420
 agatgaagac caagattaaa gagaaangga 450

<210> 211
 <211> 601
 <212> DNA
 <213> Homo sapien

<400> 211
 ctcagagcag ctggaacagg ccaagcggtt caaagcaaat ctagagaaga acaagcaggg 60
 cctggagaca gataacaagg agctggcgtg tgaggtgaag gtctgcagc aggtcaaggc 120
 tgagtctgag cacaagagga agaagctcga cgcgcaggtc caggagctcc atgccaagggt 180

ctctgaaggc	gacaggctca	gggtggagct	ggcggagaaa	gcaagtaagc	tgcagaatga	240
gctagataat	gtctccaccc	ttctggaaga	agcagagaag	aagggtatta	aatttgctaa	300
ggatgcagct	agtcttgagt	ctcaactaca	ggatacacag	gagcttcttc	aggaggagac	360
acgccagaaa	ctaaacctga	gcagtcggat	cgggcagctg	gaagaggaga	agaacagtct	420
tcaggagcag	caggaggagg	aggaggaggc	caggaagaac	ctggagaagc	aaagtgtggc	480
cctgcagtcc	cagttggctg	ataccaagaa	gaaagtagat	gacgacctgg	gaacaattga	540
aagtcttgga	agaagccaag	aagaacttct	gaaggacgcg	gaggccctga	gccaacgcct	600
g						601

<210> 212
 <211> 498
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(498)
 <223> n = A,T,C or G

<400> 212						
atgacaaata	ttccacatct	gtgattctct	ccagtcaaaa	gttctttgag	acgatgccat	60
cggccttggc	caatcggaga	atggaatcat	ctgactcacc	catcctacga	atggccccgc	120
agatagcata	agtttttaac	tggccattaa	acctgcctgt	gaccttgcca	acctcggcca	180
cgttcatctg	gatggatgcg	tggtccttgg	caccgatgat	gcgattgcta	gcggagcatt	240
tccgcggcac	gtacaggtec	acgaactcgc	cggcgctcgt	ctgcatttcg	aggctgggct	300
gcgcctgctg	ccactcgtgc	cgaattcttt	ggatccacta	gtgtcgacct	gcaggcgcgc	360
gagctccagc	ttttgtccct	ttagtgaggg	ttaatttcga	gcttggcgta	atcaanggca	420
tagctggttc	ctgngngaaa	tgggtatccg	tcacaattcc	ncncaatata	cgagccggaa	480
gtataaaggg	naaagcct					498

<210> 213
 <211> 601
 <212> DNA
 <213> Homo sapien

<400> 213						
actaccagac	aaccttagcc	aaaccattta	cccaaataaa	gtataggcga	tagaaattga	60
aacctggcgc	aatagatata	gtaccgcaag	ggaaagatga	aaaattataa	ccaagcataa	120
tatagcaagg	actaaccctt	ataccttctg	cataatgaat	taactagaaa	taactttgca	180
aggagagcca	aagctaagac	ccccgaaacc	agacgagcta	cctaagaaca	gctaaaagag	240
cacacccgtc	tatgtagcaa	aatagtggga	agatttatag	gtagaggcga	caaacctacc	300
gagcctgggtg	atagctggtt	gtccaagata	gaatcttagt	tcaactttta	atttgcccac	360
agaacctctt	aaatcccctt	gtaaatttaa	ctgttagtcc	aaagaggaac	agctctttgg	420
acactaggaa	aaaaccttgt	agagagagta	aaaaatttaa	cacccatagt	aggcctaaaa	480
gcagccacca	attaagaaag	cgttcaagct	caacacccac	tacctaaaaa	atcccaaaaa	540
tatactgaac	tcttcaaccc	aattggccaa	tctatcccct	atagaagact	aatggtagta	600
t						601

<210> 214
 <211> 500
 <212> DNA
 <213> Homo sapien

<220>

<221> misc_feature
 <222> (1)...(500)
 <223> n = A,T,C or G

<400> 214
 agcgtgcatt taagggtgt cccggagggc cagagtcgtg gcttacagaa gagacgaaat 60
 gtggtctgag ggacgatatg aatatgaaag aattccgaga gaacgagcac ctctcgaag 120
 tcatccagtg gatgaatctg gttatagatg gacaagagac gatcattctg caagcaggca 180
 acctgaatac agggacatga gagatggctt tagaagaaaa agtttctact cttcccatta 240
 tgcgagagag cgggtctcctt ataaaaggga caatactttt ttcagagaat cacctgttgg 300
 ccgaaaggat tctccacaca gcanatctgg ttccagtgtc agtagcanaa gctctctcca 360
 gaaaggagca aatcatactc ttcccatcag tctcaacata gaaataaaga gaggcctgtc 420
 agtctttgaa aacatcaaga gatacttccc ctcaagtggg tcacagttct tctcaaaggg 480
 gtagacaaac ccagtaggta 500

<210> 215
 <211> 501
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(501)
 <223> n = A,T,C or G

<400> 215
 gcctgtggga gcccggtggcc tttaaagtgc cgttcagcct tttcctccag ggggtccttg 60
 taaacacggc tgtgctcagg gctcgcggtg gaccgaaagg atcatgaact agtgacctgg 120
 aaagggtact agatggaaac ttgagaaagg actgcttatt gataacagct aaggtattcc 180
 tggaagcaga gtaaataaag ctcatggccc accagctaga aagtattctt gccatgagaa 240
 aaagaatgtg ataagttatt caacttatga aattcaagtt acatgtgaat tctgccaggc 300
 aatacaagga cctgtggaat atgagtgatg acaaaccctt tctatgtact gcgcctggat 360
 gtggccagcg ttttaccaac gaggatcatt tggctgtcca taaacataaa catgagatga 420
 cactgaaatt tgggtccanca cgtaatgaca gtgtcattgt ggctgatcag accccaacac 480
 caacaagatt cttgaaaaac t 501

<210> 216
 <211> 501
 <212> DNA
 <213> Homo sapien

<400> 216
 aggcggcctt gggggcatct gcattggagt tgggggtgcc gatgctgtgg atgtcatggc 60
 tgggatcccc tgggagttga agtgcccaa ggtgattggc gtgaagctga cgggctctct 120
 ctccggttgg tctcaccaca aagatgtgat cctgaagggt gcaggcatcc tcacggtgaa 180
 aggtggcaca ggtgcaatcg tggaaacca cgggcctggt gtagactcca tctcctgcac 240
 tggcatggcg acaatctgca acatgggtgc agaaattggg gccaccactt ccgtgttccc 300
 ttacaaccac aggatgaaga agtacctgag caagaccggc cgggaagaca ttgccaatct 360
 agctgatgaa ttcaaggatc acttgggtgcc tgaccctggc tgccattatg accaactaat 420
 tgaaattaac ctcatgtgag tgaagccaca catcaatggg cccttcaccc ctgacctgct 480
 caccctgtgg cagaagtggg c 501

<210> 217
 <211> 408

<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(408)
<223> n = A,T,C or G

<400> 217
gctacacctg gacgtgacgt ggggctggga gcactggggc gggatcctgc cacagtcgct 60
ggacctgttg ctctgcatca acatggccca tgtcagcccc ctgcgctgca cggaggaacc 120
cagaatgggg gcttcgggac acagccctcc tggaggacct gggaaaggcc agtggcctgc 180
tcttgagag gatggtggac atgccagcca acaacaaatg cctgatcttc cggaaaaact 240
aagccccctc ttacccccg cacacctgca tccctgccgg angctctgtg aggcacgaac 300
cctgcctccc taggcgggac cttgtggacg acagccccac ccagtctgtg ctctcagccg 360
ntggccgaag ggccancct gctcagaata aacatgtcct gctgccgg 408

<210> 218
<211> 402
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(402)
<223> n = A,T,C or G

<400> 218
tgcttgctc aaagattaag ccatgcatgt ctaagtacgc acggccggta tctgtctcg 60
cctgccgcag gnggccatgg ntaccgggca ggngttgttc cagcggttct tttataccaa 120
gtccttcgtg aagcactcca tggagcatgt gtcaatggcc tgtgtccacc tggctttcaa 180
gatagaagag gccccaagac gcatacggga cgtcatcaat gtgtttcacc cgccttcgac 240
agctgagaga caaaaagaag cccgtgcctc tactactgga tcaagattat gttaatttaa 300
agaacccaat tataaaggcg ggnaagacna ttcttcaaaa agatgggntt ctgcgnccat 360
gtgaagcatn ctcataagan aatcgnatg taccttcagg gg 402

<210> 219
<211> 486
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(486)
<223> n = A,T,C or G

<400> 219
aatgctgagg agattgaggt gtcggttcgt gctgctgagc tgcccaggct tcaaggagcg 60
gtgttggaat tcaatagctc ttctagcctt tgcattgttt aaatataata gtgtcattgg 120
actaagatgt tctgatgcc aacctcttca gagttaaaca gtgggcagaa cttcctaacc 180
cagtggatga ccaatccttc tcgggctggg gtcataattaa atcgtggatt tcttattttg 240
gaagcagaca aagagaagcg agcagcttgt ggacatttct accagctttt nctattaaaa 300
ggcacacatt tttctgatag cttcagcttt tataaatgaa gaaaaattca cttcttgaag 360
aacagaagtt ggagtcaaac aacacttaca aaccacagtc agataaatct gaaaccata 420

cagcctttcc ttgcattaaa aaggggaccnc aggtngcggn atggtccagt gtccttgagc 480
ncccg 486

<210> 220

<211> 380

<212> DNA

<213> Homo sapien

<400> 220

ggcggattag	ccttcgcggg	gcaaaatgga	gctcgaggcc	atgagcagat	ataccagccc	60
agtgaaccca	gctgtcttcc	cccatctgac	cgtggtgctt	ttggccattg	gcatgttctt	120
caccgcctgg	ttcttcgttt	acgaggtcac	ctctaccaag	tacactcgtg	atatctataa	180
agagctcctc	atctccttag	tggcctcact	cttcattggc	tttgagatcc	tcttctgct	240
gctctgggtt	ggcatctacg	tgtgagcacc	caagggtaac	aaccagatgg	cttcactgaa	300
acctgctttt	gtaaattact	tttttttact	gttgctggaa	gtgtcccacc	tgctgctcat	360
aataaatgca	gatgtatagc					380

<210> 221

<211> 406

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(406)

<223> n = A,T,C or G

<400> 221

gcggattagc	cttcgcgggg	caaaatggag	ctcgaggcca	tgagcagata	taccagccca	60
gtgaaccag	ctgtcttccc	ccatctgacc	gtggtgcttt	tggccattgg	catgttcttc	120
accgcctggt	tcttcgttta	cgangtcacc	tctaccaagt	acactcgtga	tatctataaa	180
gagctcctca	tctccttagt	ggcctcactc	ttcatgggct	ttggagtect	cttcctgctg	240
ctctgggttg	gcatctacgt	gtgagcacc	aagggttaaca	accagatggc	ttcactgaaa	300
cctgcttttg	taaattactt	tttttttactg	ttgctggaag	tgtcccacct	gctgctcata	360
ataaatgcag	atgtatagcc	ctatagngag	cgtattacaa	ttcact		406

<210> 222

<211> 501

<212> DNA

<213> Homo sapien

<400> 222

aatggcggtg	gttggtgtgt	cctcggtttc	tcggtgctg	ggtcggtccc	gccacagct	60
ggggcggcct	atgtcgagtg	gogcccatgg	cgaagagggc	tcagctcgca	tgtggaagac	120
tctcaccttc	ttcgtcgogc	tccccggggt	ggcagtcagc	atgctgaatg	tgtacctgaa	180
gtcgcaccac	ggagagcacg	agagacccga	gttcactgcc	tacccccatc	tccgcatcag	240
gaccaagccg	tttccctggg	gagatggtaa	ccatactcta	ttccataacc	ctcatgtgaa	300
tccacttcca	actggctacg	aagatgaata	aagagaatct	ggaccactac	ccgggcacca	360
gggaccacag	cactgggttg	gaccgttact	ctgcacatgg	accagaaaaa	gtatatggga	420
ccttaagctc	accttcttta	cttgtatcaa	atgatgactg	gtatactggt	ctcccatccc	480
tttgcttgtg	gcaggagatg	g				501

<210> 223

<211> 455

<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(455)
<223> n = A,T,C or G

<400> 223
aatcttatgc aaaaggga caggggttca aaaataaaaa tttctcttcc cctccccaa 60
acctgtaccc cagctccccg accacaaccc ctttctctcc ccggggaaag caagaaggag 120
caggtgtggc atctgcagct gggaananag aggccgggga ggtgccgagc tcggtgctgg 180
tctctttcca aatataaata cgtgtgtcan aactggaaaa tcctccagca cccaccaccc 240
aagcactctc cgttttctgc cgggtgtttg agagggcgcg ggggcagggg cgccaggcac 300
cggctggctg cggctactg catccgctgg gtgtgcaccc cgcgagcctc ctgctgctca 360
ttgtagaaga gatgacactc ggggtccccc ccggatggng ggggctccct ggatcagctt 420
tccgnggnt ggggttcaca caccagcact tccca 455

<210> 224
<211> 507
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(507)
<223> n = A,T,C or G

<400> 224
ttaccacac ccattgtagc ccttgggtgn gggatgtgcc ctgtccctgc agggccaaaa 60
gggtccatgt ttccctcaaa tctcaaagca gtccctggcc aggtgcagg caggaggaa 120
gtcgtgacct cttggcaggc tcagtcctgc agctgcccc agcagccana ctgtccctgg 180
ggctcgtcca ggccggggcg ctggctggga ggggaggtgt ctggcaggtc ttggcatgga 240
ggaaaanagc tgctgcaggg cctntcgggg gagggggttg ccaagtaggc attcaccagc 300
tgcatgatct cttccacctg ggggctctgc aggaggagct ggntctctcc caccctcaag 360
gccagggtgn gggggcccat tagctggcag gcggccacat ggccatagct gacactgnng 420
atgggctccg tctccctgg ccggganagg gacatggcct tggctcccaa gccaggcac 480
agtttntggg ggagcacccc gaccagg 507

<210> 225
<211> 572
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(572)
<223> n = A,T,C or G

<400> 225
aaacctccct taaagattct ttgatgcttt gctctatcac tgtanacctg gtctttttcc 60
ccccagtttt ttctttttta cattctgggt tgctattttc anattaataa tttgatgacc 120
ccatcacagt accaaaatac cccccaaaat gaagttcaaa tttgatcaaa acataaatca 180
gagngagnga gtaaaattat aaaggccagg cagcaggaaa agtcaccctc aactaccatn 240

tgactgggtca	ggtctcacc	atgccaaagg	gggcaggaag	agganaaaatc	tattatacat	300
gcaacactga	actggggaac	atggcttggg	gcctccagga	cagttcaggt	ccccaageta	360
acccctact	tccanacag	ctgctcgtac	agtttgggca	catagtcac	ccactcggcc	420
tggtaacacg	tgccagccac	cggggccctg	agctcatact	ttttacggaa	ggacgccacc	480
ttgaatttgc	cacggnggnc	tccanancgg	ttgctgaaga	tgggctcnc	acacttttagc	540
gggctgtcct	gctcgtaaac	canccaaaca	ta			572

<210> 226
 <211> 401
 <212> DNA
 <213> Homo sapien

<400> 226	
gaagcgtctc	cggttgggtcc
ggacgcggat	ctgtcaacat
tcgtacgect	tcttcgtgca
tccgtcaatt	tcgcggaatt
aaggagaagt	cgaagtgttg
atgaaaaatt	acgttctctc
cctaaaaggc	caccatctgc
	cttcttctgt
	tttgcctctga
	a
	60
	120
	180
	240
	300
	360
	401

<210> 227
 <211> 501
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(501)
 <223> n = A,T,C or G

<400> 227	
agcgttctga	gaaatgctga
atcaggagat	gatgacactg
agaatctgac	atggaattta
tgcagagcaa	ttggtggtgg
gcagaaagat	gaagctctac
aacttctgcg	aaggccaatt
tggtgctcag	acctcagcag
aagataacat	antcagagag
acagaatggg	tgtgaaggag
	c
	60
	120
	180
	240
	300
	360
	420
	480
	501

<210> 228
 <211> 501
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(501)
 <223> n = A,T,C or G

<400> 228	
gcagggtccc	ttttatgggc
caggtggtaa	ctggaacaca
gaacagtga	ggacagaacc
	60

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<210> 229
<211> 4099
<212> DNA
<213> Homo sapiens
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<400>	229						
cagctgccag	ccgaggaggc	gcggcgaggaga	ggggactgcg	gtcagctgcg	tccacttggg	60	
gctgtgcggc	ggtcccgcgc	ccggcgatgt	tcccgggcac	tccctgagta	gcggcagctt	120	
atcccccgcc	cgctagcccc	ccctgggtccc	cggtctcgctc	gctggctggc	gcggcccccg	180	
ccccgctctg	cgtcggcccc	gccgcgcttg	agggcgcgca	gggggacggc	gccggggatg	240	
agcggattgc	gggtgaactc	gccgcggcg	ggcccccgca	agccgtgagc	cgctgctttt	300	
ctccgagtcg	ccgcctctgc	cttggatttg	agatcatgtc	catccacatc	gtggcgctgg	360	
ggaacgaggg	ggacacattc	caccaggaca	accggcgcgc	ggggccttatc	cgacttacc	420	
tggggagaag	ccctctggtc	tccggggacg	agagcagctt	gttgctgaac	gcggccagca	480	
cggtcgcgcg	tccggtgttc	accgagtatc	aggccagtg	gtttgggaat	gtcaagctgg	540	
tggtcacaga	ctgtcccgtc	tgggacatat	ttgacagtga	ttggtacact	tctcgaaatc	600	
taattggggg	cgctgacatc	atttgtgatca	aatacaacgt	taatgacaag	ttttcattcc	660	
atgaagtaaa	ggataaattat	attccagtg	taaaaagagc	attaaattca	gttccagtaa	720	
ttattgctgc	tgttggatcc	agacaaattc	aagagcttacc	tgtacatgc	ccactatgta	780	
cctcagacag	agggagctgt	gttagtacia	ctgaagggat	ccaacttgca	aaagaactag	840	
gagcaacctc	tottgaactc	cacagccttg	atgaattota	cataggaaa	tattttggag	900	
gagtgttga	gtattttatg	attcaagcct	taaatcagaa	gacaagtga	aaaatgaaga	960	
aaagaaaaat	gagcaactcc	tttcatggaa	ttagaccacc	tcaacttgaa	caaccagaaa	1020	
aatgcctgt	cttaaaggct	gaagcgtcac	attataactc	tgacttaa	aacttgctgt	1080	
tctgctgcca	gtgtgtggac	gtggtatttt	ataacccoga	tttaaagaaa	gttgtagagg	1140	
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<210> 233

<211> 611

<212> PRT

<213> Homo sapiens

<400> 233

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Pro	Leu	Val	Ser	Gly	Asp	Glu	Ser	Ser	Leu	Leu	Leu	Asn	Ala	Ala	Ser
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Thr	Val	Ala	Arg	Pro	Val	Phe	Thr	Glu	Tyr	Gln	Ala	Ser	Ala	Phe	Gly
	50					55				60					
Asn	Val	Lys	Leu	Val	Val	His	Asp	Cys	Pro	Val	Trp	Asp	Ile	Phe	Asp
65				70					75					80	
Ser	Asp	Trp	Tyr	Thr	Ser	Arg	Asn	Leu	Ile	Gly	Gly	Ala	Asp	Ile	Ile
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Val	Ile	Lys	Tyr	Asn	Val	Asn	Asp	Lys	Phe	Ser	Phe	His	Glu	Val	Lys
		100						105				110			
Asp	Asn	Tyr	Ile	Pro	Val	Ile	Lys	Arg	Ala	Leu	Asn	Ser	Val	Pro	Val
		115					120					125			
Ile	Ile	Ala	Ala	Val	Gly	Thr	Arg	Gln	Asn	Glu	Glu	Leu	Pro	Cys	Thr
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Cys	Pro	Leu	Cys	Thr	Ser	Asp	Arg	Gly	Ser	Cys	Val	Ser	Thr	Thr	Glu
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Gly	Ile	Gln	Leu	Ala	Lys	Glu	Leu	Gly	Ala	Thr	Tyr	Leu	Glu	Leu	His
			165					170						175	
Ser	Leu	Asp	Asp	Phe	Tyr	Ile	Gly	Lys	Tyr	Phe	Gly	Gly	Val	Leu	Glu
		180					185						190		
Tyr	Phe	Met	Ile	Gln	Ala	Leu	Asn	Gln	Lys	Thr	Ser	Glu	Lys	Met	Lys
		195					200					205			
Lys	Arg	Lys	Met	Ser	Asn	Ser	Phe	His	Gly	Ile	Arg	Pro	Pro	Gln	Leu
	210				215						220				
Glu	Gln	Pro	Glu	Lys	Met	Pro	Val	Leu	Lys	Ala	Glu	Ala	Ser	His	Tyr
225				230						235					240
Asn	Ser	Asp	Leu	Asn	Asn	Leu	Leu	Phe	Cys	Cys	Gln	Cys	Val	Asp	Val
			245					250						255	
Val	Phe	Tyr	Asn	Pro	Asp	Leu	Lys	Lys	Val	Val	Glu	Ala	His	Lys	Ile
		260						265					270		
Val	Leu	Cys	Ala	Val	Ser	His	Val	Phe	Met	Leu	Leu	Phe	Asn	Val	Lys
		275					280					285			
Ser	Pro	Thr	Asp	Ile	Gln	Asp	Ser	Ser	Ile	Ile	Arg	Thr	Thr	Gln	Asp
	290					295					300				
Leu	Phe	Ala	Ile	Asn	Arg	Asp	Thr	Ala	Phe	Pro	Gly	Ala	Ser	His	Glu
305				310						315					320
Ser	Ser	Gly	Asn	Pro	Pro	Leu	Arg	Val	Ile	Val	Lys	Asp	Ala	Leu	Phe
			325						330					335	
Cys	Ser	Cys	Leu	Ser	Asp	Ile	Leu	Arg	Phe	Ile	Tyr	Ser	Gly	Ala	Phe
		340						345					350		
Gln	Trp	Glu	Glu	Leu	Glu										

Lys Pro Leu Trp Phe Tyr Asn Thr Ser Leu Lys Phe Phe Leu Asn Lys
 405 410 415
 Pro Met Leu Ala Asp Val Val Phe Glu Ile Gln Gly Thr Thr Val Pro
 420 425 430
 Ala His Arg Ala Ile Leu Val Ala Arg Cys Glu Val Met Ala Ala Met
 435 440 445
 Phe Asn Gly Asn Tyr Met Glu Ala Lys Ser Val Leu Ile Pro Val Tyr
 450 455 460
 Gly Val Ser Lys Glu Thr Phe Leu Ser Phe Leu Glu Tyr Leu Tyr Thr
 465 470 475 480
 Asp Ser Cys Cys Pro Ala Gly Ile Phe Gln Ala Met Cys Leu Leu Ile
 485 490 495
 Cys Ala Glu Met Tyr Gln Val Ser Arg Leu Gln His Ile Cys Glu Leu
 500 505 510
 Phe Ile Ile Thr Gln Leu Gln Ser Met Pro Ser Arg Glu Leu Ala Ser
 515 520 525
 Met Asn Leu Asp Ile Val Asp Leu Leu Lys Lys Ala Lys Phe His His
 530 535 540
 Ser Asp Cys Leu Ser Thr Trp Leu Leu His Phe Ile Ala Thr Asn Tyr
 545 550 555 560
 Leu Ile Phe Ser Gln Lys Pro Glu Phe Gln Asp Leu Ser Val Glu Glu
 565 570 575
 Arg Ser Phe Val Glu Lys His Arg Trp Pro Ser Asn Met Tyr Leu Lys
 580 585 590
 Gln Leu Ala Glu Tyr Arg Lys Tyr Ile His Ser Arg Lys Cys Arg Cys
 595 600 605
 Leu Val Met
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<210> 234
 <211> 494
 <212> PRT
 <213> Homo sapiens

<400> 234
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 Met Asn Gly Leu Ser His Ser Pro Gly Asn Pro Ser Thr Ile Pro Met
 35 40 45
 Lys Asp His Asp Ala Ile Lys Leu Phe Ile Gly Gln Ile Pro Arg Asn
 50 55 60
 Leu Asp Glu Lys Asp Leu Lys Pro Leu Phe Glu Glu Phe Gly Lys Ile
 65 70 75 80
 Tyr Glu Leu Thr Val Leu Lys Asp Arg Phe Thr Gly Met His Lys Gly
 85 90 95
 Cys Ala Phe Leu Thr Tyr Cys Glu Arg Glu Ser Ala Leu Lys Ala Gln
 100 105 110
 Ser Ala Leu His Glu Gln Lys Thr Leu Pro Gly Met Asn Arg Pro Ile
 115 120 125
 Gln Val Lys Pro Ala Asp Ser Glu Ser Arg Gly Asp Arg Lys Leu Phe
 130 135 140

Val Gly Met Leu Asn Lys Gln Gln Ser Glu Asp Asp Val Arg Arg Leu
 145 150 155 160
 Phe Glu Ala Phe Gly Asn Ile Glu Glu Cys Thr Ile Leu Arg Gly Pro
 165 170 175
 Asp Gly Asn Ser Lys Gly Cys Ala Phe Val Lys Tyr Ser Ser His Ala
 180 185 190
 Glu Ala Gln Ala Ala Ile Asn Ala Leu His Gly Ser Gln Thr Met Pro
 195 200 205
 Gly Ala Ser Ser Ser Leu Val Val Lys Phe Ala Asp Thr Asp Lys Glu
 210 215 220
 Arg Thr Met Arg Arg Met Gln Gln Met Ala Gly Gln Met Gly Met Phe
 225 230 235 240
 Asn Pro Met Ala Ile Pro Phe Gly Ala Tyr Gly Ala Tyr Ala Gln Ala
 245 250 255
 Leu Met Gln Gln Gln Ala Ala Leu Met Ala Ser Val Ala Gln Gly Gly
 260 265 270
 Tyr Leu Asn Pro Met Ala Ala Phe Ala Ala Ala Gln Met Gln Gln Met
 275 280 285
 Ala Ala Leu Asn Met Asn Gly Leu Ala Ala Ala Pro Met Thr Pro Thr
 290 295 300
 Ser Gly Gly Ser Thr Pro Pro Gly Ile Thr Ala Pro Ala Val Pro Ser
 305 310 315 320
 Ile Pro Ser Pro Ile Gly Val Asn Gly Phe Thr Gly Leu Pro Pro Gln
 325 330 335
 Ala Asn Gly Gln Pro Ala Ala Glu Ala Val Phe Ala Asn Gly Ile His
 340 345 350
 Pro Tyr Pro Ala Gln Ser Pro Thr Ala Ala Asp Pro Leu Gln Gln Ala
 355 360 365
 Tyr Ala Gly Val Gln Gln Tyr Ala Gly Pro Ala Tyr Pro Ala Ala Tyr
 370 375 380
 Gly Gln Ile Ser Gln Ala Phe Pro Gln Pro Pro Pro Met Ile Pro Gln
 385 390 395 400
 Gln Gln Arg Glu Gly Pro Glu Gly Cys Asn Leu Phe Ile Tyr His Leu
 405 410 415
 Pro Gln Glu Phe Gly Asp Ala Glu Leu Met Gln Met Phe Leu Pro Phe
 420 425 430
 Gly Asn Val Ile Ser Ser Lys Val Phe Val Asp Arg Ala Thr Asn Gln
 435 440 445
 Ser Lys Cys Phe Gly Phe Val Ser Phe Asp Asn Pro Ala Ser Ala Gln
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 Thr Ala Ile Gln Ala Met Asn Gly Phe Gln Ile Gly Met Lys Arg Leu
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 Lys Val Gln Leu Lys Arg Pro Lys Asp Ala Asn Arg Pro Tyr
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<210> 235
 <211> 826
 <212> PRT
 <213> Homo sapiens

<400> 235
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Glu	Ser	Glu	Val	Phe	Tyr	Glu	Leu	Ala	His	Gln	Leu	Pro	Leu	Pro	His
		35					40					45			
Asn	Val	Ser	Ser	His	Leu	Asp	Lys	Ala	Ser	Val	Met	Arg	Leu	Thr	Ile
	50					55					60				
Ser	Tyr	Leu	Arg	Val	Arg	Lys	Leu	Leu	Asp	Ala	Gly	Asp	Leu	Asp	Ile
	65				70					75					80
Glu	Asp	Asp	Met	Lys	Ala	Gln	Met	Asn	Cys	Phe	Tyr	Leu	Lys	Ala	Leu
				85				90						95	
Asp	Gly	Phe	Val	Met	Val	Leu	Thr	Asp	Asp	Gly	Asp	Met	Ile	Tyr	Ile
			100					105					110		
Ser	Asp	Asn	Val	Asn	Lys	Tyr	Met	Gly	Leu	Thr	Gln	Phe	Glu	Leu	Thr
		115					120					125			
Gly	His	Ser	Val	Phe	Asp	Phe	Thr	His	Pro	Cys	Asp	His	Glu	Glu	Met
	130					135					140				
Arg	Glu	Met	Leu	Thr	His	Arg	Asn	Gly	Leu	Val	Lys	Lys	Gly	Lys	Glu
145					150					155					160
Gln	Asn	Thr	Gln	Arg	Ser	Phe	Phe	Leu	Arg	Met	Lys	Cys	Thr	Leu	Thr
				165				170						175	
Ser	Arg	Gly	Arg	Thr	Met	Asn	Ile	Lys	Ser	Ala	Thr	Trp	Lys	Val	Leu
			180					185					190		
His	Cys	Thr	Gly	His	Ile	His	Val	Tyr	Asp	Thr	Asn	Ser	Asn	Gln	Pro
	195						200					205			
Gln	Cys	Gly	Tyr	Lys	Lys	Pro	Pro	Met	Thr	Cys	Leu	Val	Leu	Ile	Cys
	210					215					220				
Glu	Pro	Ile	Pro	His	Pro	Ser	Asn	Ile	Glu	Ile	Pro	Leu	Asp	Ser	Lys
225					230					235					240
Thr	Phe	Leu	Ser	Arg	His	Ser	Leu	Asp	Met	Lys	Phe	Ser	Tyr	Cys	Asp
				245					250					255	
Glu	Arg	Ile	Thr	Glu	Leu	Met	Gly	Tyr	Glu	Pro	Glu	Glu	Leu	Leu	Gly
			260					265					270		
Arg	Ser	Ile	Tyr	Glu	Tyr	Tyr	His	Ala	Leu	Asp	Ser	Asp	His	Leu	Thr
		275					280					285			
Lys	Thr	His	His	Asp	Met	Phe	Thr	Lys	Gly	Gln	Val	Thr	Thr	Gly	Gln
	290					295					300				
Tyr	Arg	Met	Leu	Ala	Lys	Arg	Gly	Gly	Tyr	Val	Trp	Val	Glu	Thr	Gln
305					310					315					320
Ala	Thr	Val	Ile	Tyr	Asn	Thr	Lys	Asn	Ser	Gln	Pro	Gln	Cys	Ile	Val
				325					330					335	
Cys	Val	Asn	Tyr	Val	Val	Ser	Gly	Ile	Ile	Gln	His	Asp	Leu	Ile	Phe
			340					345					350		
Ser	Leu	Gln	Gln	Thr	Glu	Cys	Val	Leu	Lys	Pro	Val	Glu	Ser	Ser	Asp
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<210> 236
<211> 342
<212> PRT
<213> Homo sapiens
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<400> 236

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			20					25					30		
Leu	Arg	Glu	Lys	Val	Met	Lys	Gln	Ser	Glu	Glu	Asn	Asn	Asn	Leu	Gln
		35					40					45			
Ser	Gln	Val	Gln	Lys	Leu	Thr	Glu	Glu	Asn	Thr	Thr	Leu	Arg	Glu	Gln
	50					55					60				
Val	Glu	Pro	Thr	Pro	Glu	Asp	Glu	Asp	Asp	Asp	Ile	Glu	Leu	Arg	Gly
	65				70				75						80
Ala	Ala	Ala	Ala	Ala	Ala	Pro	Pro	Pro	Pro	Ile	Glu	Glu	Glu	Cys	Pro
				85					90					95	
Glu	Asp	Leu	Pro	Glu	Lys	Phe	Asp	Gly	Asn	Pro	Asp	Met	Leu	Ala	Pro
		100						105					110		
Phe	Met	Ala	Gln	Cys	Gln	Ile	Phe	Met	Glu	Lys	Ser	Thr	Arg	Asp	Phe
		115					120					125			
Ser	Val	Asp	Arg	Val	Arg	Val	Cys	Phe	Val	Thr	Ser	Met	Met	Thr	Gly
	130					135					140				
Arg	Ala	Ala	Arg	Trp	Ala	Ser	Ala	Lys	Leu	Glu	Arg	Ser	His	Tyr	Leu
145					150					155					160
Met	His	Asn	Tyr	Pro	Ala	Phe	Met	Met	Glu	Met	Lys	His	Val	Phe	Glu
			165						170					175	
Asp	Pro	Gln	Arg	Arg	Glu	Val	Ala	Lys	Arg	Lys	Ile	Arg	Arg	Leu	Arg
		180						185					190		
Gln	Gly	Met	Gly	Ser	Val	Ile	Asp	Tyr	Ser	Asn	Ala	Phe	Gln	Met	Ile
		195					200					205			
Ala	Gln	Asp	Leu	Asp	Trp	Asn	Glu	Pro	Ala	Leu	Ile	Asp	Gln	Tyr	His
	210					215					220				
Glu	Gly	Leu	Ser	Asp	His	Ile	Gln	Glu	Glu	Leu	Ser	His	Leu	Glu	Val
225					230					235				240	
Ala	Lys	Ser	Leu	Ser	Ala	Leu	Ile	Gly	Gln	Cys	Ile	His	Ile	Glu	Arg
			245					250						255	
Arg	Leu	Ala	Arg	Ala	Ala	Ala	Ala	Arg	Lys	Pro	Arg	Ser	Pro	Pro	Arg
		260						265					270		
Ala	Leu	Val	Leu	Pro	His	Ile	Ala	Ser	His	His	Gln	Val	Asp	Pro	Thr
		275					280					285			
Glu	Pro	Val	Gly	Gly	Ala	Arg	Met	Arg	Leu	Thr	Gln	Glu	Glu	Lys	Glu
	290					295					300				
Arg	Arg	Arg	Lys	Leu	Asn	Leu	Cys	Leu	Tyr	Cys	Gly	Thr	Gly	Gly	His
305					310					315					320
Tyr	Ala	Asp	Asn	Cys	Pro	Ala	Lys	Ala	Ser	Lys	Ser	Ser	Pro	Ala	Gly
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Asn	Ser	Pro	Ala	Pro	Leu										
			340												

<210> 237

<211> 403

<212> DNA

<213> Homo sapiens

<400> 237

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gtaccgggac cagcacttcc ggggtgacaa tgaagaacaa gaaaaattac tgaagaaaag 180
ctgtacgtta tatgttggaa atctttcttt ttacacaact gaagaacaaa tctatgaact 240
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agcatgtgga ttctgttttg tggaaatatta ctcacgcgca gatgcggaaa acgccatgcg 360
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<210> 238
 <211> 183
 <212> DNA
 <213> Homo sapiens

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<400> 238
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acataactta cggtaaattgg ccgccttggc tgaccgcccc acgacccccg cccattgacg 120
tcaataatga cgtatgttcc catagtaacg ccaataggga ctttccattg acgtcaatgg 180
gtg 183

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<210> 239
 <211> 403
 <212> DNA
 <213> Homo sapiens

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<400> 239
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accaccaagg agtgtggaat gtccttgagt gtattattta tgcaagtcac agtcacgttg 120
ccatcatggc agctatgtga aacactaata aatgtgtttt tactttttat tcccggttaa 180
actgatgtaa aacaggataa aggcttggtt tagtcactta taagtatctg ggtctaagta 240
atttccttag atgtttctaa agaaacattt tcagctttgc tcccattatg attccaataa 300
ggaacgcttt cctagtgcaa ttttaggagt aaagtttgaa gagataaaaa tagccaaaga 360
taggagacgt ctgaattttg aatgataaac agtgatgttt taa 403

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<210> 240
 <211> 3148
 <212> DNA
 <213> Homo sapiens

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<400> 240
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agttggagcg gagacttagc ataatggcag aacctgttcc tccactgaag cactttgtgc 120
tggtcaagaa ggcgattact gcagtccttg accagttact ggagtttgtt actgaaggat 180
cacattttgt tgaagcaaca tataagaatc cggaacttga tcgaatagcc actgaagatg 240
atctggtaga aatgcaagga tataaagaca agctttccat cattggtgag gtgctatctc 300
ggagacacat gaaggtggca ttttttggca ggacaagcag tgggaagagc tctgttatca 360
atgcaatgtt gtgggataaa gttctccta gtgggattgg ccatataacc aattgcttcc 420
taagtgttga aggaactgat ggagataaag cctatcttat gacagaagga tcagatgaaa 480
aaaagagtgt gaagacagtt aatcaactgg cccatgcctc tcacatggac aaagatttga 540
aagctggctg tcttgtagct gtgttttggc caaaagcaaa atgtgcctc ttgagagatg 600
acctggtgtt agtagacagt ccaggcacag atgtcactac agagctggat agctggattg 660
ataagttttg cctagatgct gatgtctttg ttttggctgc aaactctgaa tcaacactaa 720
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<212> DNA
<213> Homo sapiens

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<213> Homo sapiens

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<211> 303

<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<213> Homo sapiens

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<213> Homo sapiens

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aattcatggc catctatatg tcaataaagt agcagggaat tttcacataa cagtgggcaa 660
ggcaattcca catcctcgtg gtcattgcaca tttgggcagc acttgctaac catggaatct 720
tacaattttt tctcatagaa tagatcattt gtcttttggg gagcttggtc cagcaattat 780
taatccttta gatggaactg aaaaaattgc tatagatcac aaccagatgt tccaatattt 840
tattacagtt gtgccaacaa aactacatac atataaaata tcagcagaca cccatcagtt 900
ttctgtgaca gaaagggaac gtatcattaa ccatgctgca ggcagccatg gagtctctgg 960
gatatttatg aaatatgata tcagttctct tatggtgaca gttactgagg agcacatgcc 1020
attctggcag ttttttgtaa gactctgtgg tattgttggg ggaatctttt caacaacagg 1080
catgttacat ggaattggaa aatttatagt tgaaataatt tgctgtcgtt tcagacttgg 1140
atcctataaa cctgtcaatt ctgttccttt tgaggatggc cacacagaca accacttacc 1200
tcttttagaa aataatacac attaacacct cccgattgaa ggagaaaaac tttttgcctg 1260
agacataaaa ccttttttta ataataaaat attgtgcaat atattcaaag aaaagaaaac 1320
acaaataagc agaaaacata cttattttta aaaaaaaaaa aa 1362

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<210> 249

<211> 513

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(513)

<223> n = A,T,C or G

<400> 249

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ccagnngngt ggaattcctt agacatatto tgagcctaca gcagaggaac ctccagtctc 60
agcaccatga atcaaactgc cattctgatt tgctgcctta tctttctgac tctaagtggc 120
attcaaggag tacctctctc tagaaactgta cgctgtacct gcattcagcat tagtaatcaa 180
cctgttaatc caaggtcttt agaaaaactt gaaattattc ctgcaagcca attttgtcca 240
cgtgttgaga tcattgctac aatgaaaaag aagggtgaga agagatgtct gaatccagaa 300
tcgaaggcca tcaagaattt actgaaagca gttagcaagg aaaggtctaa aagatctcct 360
taaaaccaga ggggagcaaa atcgatgcag tgcttccaag gatggaccac acagaggctg 420
cctctcccat cacttcccta catggagtat atgtcaagcc ataattgttc ttagtttgca 480
gttacactaa aagggtgacca atcatggtca cca 513

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<210> 250

<211> 1172

<212> DNA

<213> Homo sapiens

<400> 250

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gagacattcc tcaattgctt agacatatto tgagcctaca gcagaggaac ctccagtctc 60
agcaccatga atcaaactgc gattctgatt tgctgcctta tctttctgac tctaagtggc 120
attcaaggag tacctctctc tagaaccgta cgctgtacct gcattcagcat tagtaatcaa 180
cctgttaatc caaggtcttt agaaaaactt gaaattattc ctgcaagcca attttgtcca 240
cgtgttgaga tcattgctac aatgaaaaag aagggtgaga agagatgtct gaatccagaa 300
tcgaaggcca tcaagaattt actgaaagca gttagcaagg aaatgtctaa aagatctcct 360
taaaaccaga ggggagcaaa atcgatgcag tgcttccaag gatggaccac acagaggctg 420
cctctcccat cacttcccta catggagtat atgtcaagcc ataattgttc ttagtttgca 480
gttacactaa aagggtgacca atgatggtca ccaaatcagc tgctactact cctgtaggaa 540

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ggttaatggt catcatccta agctattcag taataactct accctggcac tataatgtaa 600
gctctactga ggtgctatgt tcttagtgga tgttctgacc ctgcttcaaa tatttccttc 660
acctttccca tcttccaagg gtactaagga atctttctgc ttgggggttt atcagaattc 720
tcagaatctc aaataactaa aaggatgca atcaaactcg ctttttaaag aatgctcttt 780
acttcatgga cttccactgc catcctccca agggggccaa attctttcag tggctacctt 840
catacaattc caaacacata caggaaggta gaaatatctg aaaatgtatg tgtaagtatt 900
cttattttaa gaaagactgt acaaagtata agtcttagat gtatatattt cctatatatt 960
tttcagtgt catggaataa catgtaatta agtactatgt atcaatgagt aacaggaaaa 1020
ttttaaaat acagatagat atatgctctg catgttacct aagataaatg tgctgaatgg 1080
ttttcaaata aaaatgaggt actctcctgg aaatatataa aaagactatc taaatgttga 1140
aagatcaaaa ggttaataaa gtaattataa ct 1172

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<210> 251
 <211> 483
 <212> DNA
 <213> Homo sapiens

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<400> 251
atataaccatt taatacattt acactttctt atttaagaag atattgaatg caaaataatt 60
gacatataga actttacaaa catatgtcca aggactctaa attgagactc ttccacatgt 120
acaatctcat catcctgaag cctataatga agaaaaagat ctagaaactg agttgtggag 180
ctgactctaa tcaaatgtga tgattggaat tagaccattt ggcccttgaa ctttcatagg 240
aaaaatgacc caacatttct tagcatgagc tacctcatct ctagaagctg ggatggactt 300
actattcttg tttatatattt agatactgaa aggtgctatg cttctgttat tattccaaga 360
ctggagatag gcagggctaa aaagggtatta ttatttttcc tttaatgatg gtgctaaaat 420
tcttcctata aaattcctta aaaataaaga tgggtttaatc actaccattg tgaaaacata 480
act

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<210> 252
 <211> 156
 <212> PRT
 <213> Homo sapiens

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<400> 252
Met Ser Gly Gly Leu Leu Lys Ala Leu Arg Ser Asp Ser Tyr Val Glu
                    5                      10                      15
Leu Ser Gln Tyr Arg Asp Gln His Phe Arg Gly Asp Asn Glu Glu Gln
                    20                      25                      30
Glu Lys Leu Leu Lys Lys Ser Cys Thr Leu Tyr Val Gly Asn Leu Ser
                    35                      40                      45
Phe Tyr Thr Thr Glu Glu Gln Ile Tyr Glu Leu Phe Ser Lys Ser Gly
                    50                      55                      60
Asp Ile Lys Lys Ile Ile Met Gly Leu Asp Lys Met Lys Lys Thr Ala
                    65                      70                      75                      80
Cys Gly Phe Cys Phe Val Glu Tyr Tyr Ser Arg Ala Asp Ala Glu Asn
                    85                      90                      95
Ala Met Arg Tyr Ile Asn Gly Thr Arg Leu Asp Asp Arg Ile Ile Arg
                    100                     105                     110
Thr Asp Trp Asp Ala Gly Phe Lys Glu Gly Arg Gln Tyr Gly Arg Gly
                    115                     120                     125
Arg Ser Gly Gly Gln Val Arg Asp Glu Tyr Arg Gln Asp Tyr Asp Ala
                    130                     135                     140
Gly Arg Gly Gly Tyr Gly Lys Leu Ala Gln Asn Gln
145                      150                      155

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<210> 253
 <211> 370
 <212> PRT
 <213> Homo sapiens

<400> 253
 Met Ala Glu Pro Val Ser Pro Leu Lys His Phe Val Leu Ala Lys Lys
 5 10 15
 Ala Ile Thr Ala Val Phe Asp Gln Leu Leu Glu Phe Val Thr Glu Gly
 20 25 30
 Ser His Phe Val Glu Ala Thr Tyr Lys Asn Pro Glu Leu Asp Arg Ile
 35 40 45
 Ala Thr Glu Asp Asp Leu Val Glu Met Gln Gly Tyr Lys Asp Lys Leu
 50 55 60
 Ser Ile Ile Gly Glu Val Leu Ser Arg Arg His Met Lys Val Ala Phe
 65 70 75 80
 Phe Gly Arg Thr Ser Ser Gly Lys Ser Ser Val Ile Asn Ala Met Leu
 85 90 95
 Trp Asp Lys Val Leu Pro Ser Gly Ile Gly His Ile Thr Asn Cys Phe
 100 105 110
 Leu Ser Val Glu Gly Thr Asp Gly Asp Lys Ala Tyr Leu Met Thr Glu
 115 120 125
 Gly Ser Asp Glu Lys Lys Ser Val Lys Thr Val Asn Gln Leu Ala His
 130 135 140
 Ala Leu His Met Asp Lys Asp Leu Lys Ala Gly Cys Leu Val Arg Val
 145 150 155 160
 Phe Trp Pro Lys Ala Lys Cys Ala Leu Leu Arg Asp Asp Leu Val Leu
 165 170 175
 Val Asp Ser Pro Gly Thr Asp Val Thr Thr Glu Leu Asp Ser Trp Ile
 180 185 190
 Asp Lys Phe Cys Leu Asp Ala Asp Val Phe Val Leu Val Ala Asn Ser
 195 200 205
 Glu Ser Thr Leu Met Asn Thr Glu Lys His Phe Phe His Lys Val Asn
 210 215 220
 Glu Arg Leu Ser Lys Pro Asn Ile Phe Ile Leu Asn Asn Arg Trp Asp
 225 230 235 240
 Ala Ser Ala Ser Glu Pro Glu Tyr Met Glu Asp Val Arg Arg Gln His
 245 250 255
 Met Glu Arg Cys Leu His Phe Leu Val Glu Glu Leu Lys Val Val Asn
 260 265 270
 Ala Leu Glu Ala Gln Asn Arg Ile Phe Phe Val Ser Ala Lys Glu Val
 275 280 285
 Leu Ser Ala Arg Lys Gln Lys Ala Gln Gly Met Pro Glu Ser Gly Val
 290 295 300
 Ala Leu Ala Glu Gly Phe His Ala Arg Leu Gln Glu Phe Gln Asn Phe
 305 310 315 320
 Glu Gln Ile Phe Glu Glu Cys Ile Ser Gln Ser Ala Val Lys Thr Lys
 325 330 335
 Phe Glu Gln His Thr Ile Arg Ala Lys Gln Ile Leu Ala Thr Val Lys
 340 345 350
 Asn Ile Met Asp Ser Val Asn Leu Ala Ala Glu Asp Lys Arg Phe His
 355 360 365

Val Gln
370

<210> 254
<211> 429
<212> PRT
<213> Homo sapiens

<400> 254
Gly Pro Trp Gly Ser Gly Val Gly Gly Gly Gly Thr Val Arg Leu Leu
 5 10 15
Leu Ile Leu Ser Gly Cys Leu Val Tyr Gly Thr Ala Glu Thr Asp Val
 20 25 30
Asn Val Val Met Leu Gln Glu Ser Gln Val Cys Glu Lys Arg Ala Ser
 35 40 45
Gln Gln Phe Cys Tyr Thr Asn Val Leu Ile Pro Lys Trp His Asp Ile
 50 55 60
Trp Thr Arg Ile Gln Ile Arg Val Asn Ser Ser Arg Leu Val Arg Val
 65 70 75 80
Thr Gln Val Glu Asn Glu Glu Lys Leu Lys Glu Leu Glu Gln Phe Ser
 85 90 95
Ile Trp Asn Phe Phe Ser Ser Phe Leu Lys Glu Lys Leu Asn Asp Thr
 100 105 110
Tyr Val Asn Val Gly Leu Tyr Ser Thr Lys Thr Cys Leu Lys Val Glu
 115 120 125
Ile Ile Glu Lys Asp Thr Lys Tyr Ser Val Ile Val Ile Arg Arg Phe
 130 135 140
Asp Pro Lys Leu Phe Leu Val Phe Leu Leu Gly Leu Met Leu Phe Phe
145 150 155 160
Cys Gly Asp Leu Leu Ser Arg Ser Gln Ile Phe Tyr Tyr Ser Thr Gly
 165 170 175
Met Thr Val Gly Ile Val Ala Ser Leu Leu Ile Ile Ile Phe Ile Leu
 180 185 190
Ser Lys Phe Met Pro Lys Lys Ser Pro Ile Tyr Val Ile Leu Val Gly
 195 200 205
Gly Trp Ser Phe Ser Leu Tyr Leu Ile Gln Leu Val Phe Lys Asn Leu
 210 215 220
Gln Glu Ile Trp Arg Cys Tyr Trp Gln Tyr Leu Leu Ser Tyr Val Leu
225 230 235 240
Thr Val Gly Phe Met Ser Phe Ala Val Cys Tyr Lys Tyr Gly Pro Leu
 245 250 255
Glu Asn Glu Arg Ser Ile Asn Leu Leu Thr Trp Thr Leu Gln Leu Met
 260 265 270
Gly Leu Cys Phe Met Tyr Ser Gly Ile Gln Ile Pro His Ile Ala Leu
 275 280 285
Ala Ile Ile Ile Ile Ala Leu Cys Thr Lys Asn Leu Glu His Pro Ile
 290 295 300
Gln Trp Leu Tyr Ile Thr Cys Arg Lys Val Cys Lys Gly Ala Glu Lys
305 310 315 320
Pro Val Pro Pro Arg Leu Leu Thr Glu Glu Tyr Arg Ile Gln Gly
 325 330 335
Glu Val Glu Thr Arg Lys Ala Leu Glu Glu Leu Arg Glu Phe Cys Asn
 340 345 350

Ser Pro Asp Cys Ser Ala Trp Lys Thr Val Ser Arg Ile Gln Ser Pro
 355 360 365
 Lys Arg Phe Ala Asp Phe Val Glu Gly Ser Ser His Leu Thr Pro Asn
 370 375 380
 Glu Val Ser Val His Glu Gln Glu Tyr Gly Leu Gly Ser Ile Ile Ala
 385 390 395 400
 Gln Asp Glu Ile Tyr Glu Glu Ala Ser Ser Glu Glu Glu Asp Ser Tyr
 405 410 415
 Ser Arg Cys Pro Ala Ile Thr Gln Asn Asn Phe Leu Thr
 420 425

<210> 255
 <211> 531
 <212> PRT
 <213> Homo sapiens

<400> 255
 Met Ser Arg Ser Pro Gln Arg Ala Leu Pro Pro Gly Ala Leu Pro Arg
 5 10 15
 Leu Leu Gln Ala Ala Pro Ala Ala Gln Pro Arg Ala Leu Leu Pro Gln
 20 25 30
 Trp Pro Arg Arg Pro Gly Arg Arg Trp Pro Ala Ser Pro Leu Gly Met
 35 40 45
 Lys Val Phe Arg Arg Lys Ala Leu Val Leu Cys Ala Gly Tyr Ala Leu
 50 55 60
 Leu Leu Val Leu Thr Met Leu Asn Leu Leu Asp Tyr Lys Trp His Lys
 65 70 75 80
 Glu Pro Leu Gln Gln Cys Asn Pro Asp Gly Pro Leu Gly Ala Ala Ala
 85 90 95
 Gly Ala Ala Gly Gly Lys Leu Gly Ala Pro Arg Ala Ala Ser Gly Arg
 100 105 110
 Ala Ala Pro Cys Ser Cys Pro Phe Gly Pro Pro His Ser Leu Pro Pro
 115 120 125
 Ser Arg Cys Arg Arg Arg Gly Asp Thr Leu Gln Pro Arg Gln Gly Trp
 130 135 140
 Arg Gly Leu Arg Pro Leu Gln Ala Met Ala Leu Gly Ala Pro Glu Gly
 145 150 155 160
 Val Gly Asp Lys Arg His Trp Met Tyr Val Phe Thr Thr Trp Arg Ser
 165 170 175
 Gly Ser Ser Phe Gly Glu Leu Phe Asn Gln Asn Pro Glu Val Phe
 180 185 190
 Phe Leu Tyr Glu Pro Val Trp His Val Trp Gln Lys Leu Tyr Pro Gly
 195 200 205
 Asp Ala Val Ser Leu Gln Gly Ala Ala Arg Asp Met Leu Ser Ala Leu
 210 215 220
 Tyr Arg Cys Asp Leu Ser Val Phe Gln Leu Tyr Ser Pro Ala Gly Ser
 225 230 235 240
 Gly Gly Arg Asn Leu Thr Thr Leu Gly Ile Phe Gly Ala Ala Thr Asn
 245 250 255
 Lys Val Val Cys Ser Ser Pro Leu Cys Pro Ala Tyr Arg Lys Glu Val
 260 265 270
 Val Gly Leu Val Asp Asp Arg Val Cys Lys Lys Cys Pro Pro Gln Arg
 275 280 285

Leu Ala Arg Phe Glu Glu Glu Cys Arg Lys Tyr Arg Thr Leu Val Ile
 290 295 300
 Lys Gly Val Arg Val Phe Asp Val Ala Val Leu Ala Pro Leu Leu Arg
 305 310 315 320
 Asp Pro Ala Leu Asp Leu Lys Val Ile His Leu Val Arg Asp Pro Arg
 325 330 335
 Ala Val Ala Ser Arg Ile Arg Ser Arg His Gly Leu Ile Arg Glu
 340 345 350
 Ser Leu Gln Val Val Arg Ser Arg Asp Pro Arg Ala His Arg Met Pro
 355 360 365
 Phe Leu Glu Ala Ala Gly His Lys Leu Gly Ala Lys Lys Glu Gly Val
 370 375 380
 Gly Gly Pro Ala Asp Tyr His Ala Leu Gly Ala Met Glu Val Ile Cys
 385 390 395 400
 Asn Ser Met Ala Lys Thr Leu Gln Thr Ala Leu Gln Pro Pro Asp Trp
 405 410 415
 Leu Gln Gly His Tyr Leu Val Val Arg Tyr Glu Asp Leu Val Gly Asp
 420 425 430
 Pro Val Lys Thr Leu Arg Arg Val Tyr Asp Phe Val Gly Leu Leu Val
 435 440 445
 Ser Pro Glu Met Glu Gln Phe Ala Leu Asn Met Thr Ser Gly Ser Gly
 450 455 460
 Ser Ser Ser Lys Pro Phe Val Val Ser Ala Arg Asn Ala Thr Gln Ala
 465 470 475 480
 Ala Asn Ala Trp Arg Thr Ala Leu Thr Phe Gln Gln Ile Lys Gln Val
 485 490 495
 Glu Glu Phe Cys Tyr Gln Pro Met Ala Val Leu Gly Tyr Glu Arg Val
 500 505 510
 Asn Ser Pro Glu Glu Val Lys Asp Leu Ser Lys Thr Leu Leu Arg Lys
 515 520 525
 Pro Arg Leu
 530

<210> 256
 <211> 378
 <212> PRT
 <213> Homo sapiens

<400> 256
 Met Arg Arg Leu Asn Arg Lys Lys Thr Leu Ser Leu Val Lys Glu Leu
 5 10 15
 Asp Ala Phe Pro Lys Val Pro Glu Ser Tyr Val Glu Thr Ser Ala Ser
 20 25 30
 Gly Gly Thr Val Ser Leu Ile Ala Phe Thr Thr Met Ala Leu Leu Thr
 35 40 45
 Ile Met Glu Phe Ser Val Tyr Gln Asp Thr Trp Met Lys Tyr Glu Tyr
 50 55 60
 Glu Val Asp Lys Asp Phe Ser Ser Lys Leu Arg Ile Asn Ile Asp Ile
 65 70 75 80
 Thr Val Ala Met Lys Cys Gln Tyr Val Gly Ala Asp Val Leu Asp Leu
 85 90 95
 Ala Glu Thr Met Val Ala Ser Ala Asp Gly Leu Val Tyr Glu Pro Thr
 100 105 110

Val Phe Asp Leu Ser Pro Gln Gln Lys Glu Trp Gln Arg Met Leu Gln
 115 120 125
 Leu Ile Gln Ser Arg Leu Gln Glu Glu His Ser Leu Gln Asp Val Ile
 130 135 140
 Phe Lys Ser Ala Phe Lys Ser Thr Ser Thr Ala Leu Pro Pro Arg Glu
 145 150 155 160
 Asp Asp Ser Ser Gln Ser Pro Asn Ala Cys Arg Ile His Gly His Leu
 165 170 175
 Tyr Val Asn Lys Val Ala Gly Asn Phe His Ile Thr Val Gly Lys Ala
 180 185 190
 Ile Pro His Pro Arg Gly His Ala His Leu Gly Ser Thr Cys Gln Pro
 195 200 205
 Trp Asn Leu Thr Ile Phe Ser His Arg Ile Asp His Leu Ser Phe Gly
 210 215 220
 Glu Leu Val Pro Ala Ile Ile Asn Pro Leu Asp Gly Thr Glu Lys Ile
 225 230 235 240
 Ala Ile Asp His Asn Gln Met Phe Gln Tyr Phe Ile Thr Val Val Pro
 245 250 255
 Thr Lys Leu His Thr Tyr Lys Ile Ser Ala Asp Thr His Gln Phe Ser
 260 265 270
 Val Thr Glu Arg Glu Arg Ile Ile Asn His Ala Ala Gly Ser His Gly
 275 280 285
 Val Ser Gly Ile Phe Met Lys Tyr Asp Leu Ser Ser Leu Met Val Thr
 290 295 300
 Val Thr Glu Glu His Met Pro Phe Trp Gln Phe Phe Val Arg Leu Cys
 305 310 315 320
 Gly Ile Val Gly Gly Ile Phe Ser Thr Thr Gly Met Leu His Gly Ile
 325 330 335
 Gly Lys Phe Ile Val Glu Ile Ile Cys Cys Arg Phe Arg Leu Gly Ser
 340 345 350
 Tyr Lys Pro Val Asn Ser Val Pro Phe Glu Asp Gly His Thr Asp Asn
 355 360 365
 His Leu Pro Leu Leu Glu Asn Asn Thr His
 370 375

<210> 257
 <211> 98
 <212> PRT
 <213> Homo sapiens

<400> 257
 Met Asn Gln Thr Ala Ile Leu Ile Cys Cys Leu Ile Phe Leu Thr Leu
 5 10 15
 Ser Gly Ile Gln Gly Val Pro Leu Ser Arg Thr Val Arg Cys Thr Cys
 20 25 30
 Ile Ser Ile Ser Asn Gln Pro Val Asn Pro Arg Ser Leu Glu Lys Leu
 35 40 45
 Glu Ile Ile Pro Ala Ser Gln Phe Cys Pro Arg Val Glu Ile Ile Ala
 50 55 60
 Thr Met Lys Lys Lys Gly Glu Lys Arg Cys Leu Asn Pro Glu Ser Lys
 65 70 75 80
 Ala Ile Lys Asn Leu Leu Lys Ala Val Ser Lys Glu Met Ser Lys Arg
 85 90 95

Ser Pro

<210> 258
 <211> 530
 <212> DNA
 <213> Homo sapiens

<400> 258
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 ctgcgaggag gtagaggcca cgcggggcca ggtgtgtcag gagcaggagc tgcgcgccgt 120
 ggtggagagc tgctgtctga gcaggaccgc gcccgcgagg acctccaggc ccggctgcgg 180
 gagacgtggg ccctggcccg ggatgctgcc ctcgctcctgg accagctgcg agcctgtcaa 240
 gctgagctgt catctcgagt gaggcaggac cagccccctg gtacagccac tctgggccta 300
 gccgtcccc cagctgactc caagggctgg caagcgtccc tgcaggccat gagectcccc 360
 gagctctcgg gagccctgga ggaccgtgtc cgtgagatgg ggcaagcact gtgcttagtg 420
 acccagagcc tggagaagct gcagggtgctg aacgggaaga agtggcgagg gacctagcct 480
 gcggggccgaa tctgacgttg ggtgattggt ccacctgaa gctgtgtgcc 530

<210> 259
 <211> 349
 <212> DNA
 <213> Homo sapiens

<400> 259
 gaattcggca cgaggccagt tcagtctgca agcgccagct cctctcatgg ccggcttacc 60
 caccgccttg ccaatgcccc ggggcaaacc tcataccacc acttccagaa cactgatcat 120
 gacaaccaac aatcaggtag gtggtcctct ggcacccttc ccgctggtgg tccctgggaa 180
 cagcatccga gctgtgatat gcactagagg agattgatgg tcctttgaat tagaagagta 240
 actttttgag tatttgccca ttggtgtgtt gttctaggaa atcctctctt ttttgtggtg 300
 ttgaggtccc ccatgtatag tttcagcagc gaggacactg tggttcttg 349

<210> 260
 <211> 509
 <212> DNA
 <213> Homo sapiens

<400> 260
 gaattcggca cgaggcaatc atggcgccac ctgtgagata ctgcatcccc ggccaacgtc 60
 tgtgttaactt ggaggagggc agcccgggca gcggcaccta caccgcccac ggctacatct 120
 tttcgtcgct tgccggctgt ctgatgaaga gcagcgagaa tggcgcgctt ccagtgggtg 180
 ctgtagttag agaaacagag tcccagttac tgccagatgt gggagctatt gtaacctgta 240
 aggtctctag catcaattca cgctttgcca aagtacacat cctgtatgtg gggctccatgc 300
 ctcttaagaa ctcttttcga ggaactatcc gcaaggaaaga tgtccgagca actgaaaaag 360
 acaaggttga aattttataag agtttccgcc caggtgacat tgtcttggcc aaagtgatct 420
 ccttaggtga tgcacagtc aactacctgc taaccaccgc cgagaacgag ctgggagtg 480
 tggtagccca cagtgagtca ggtatccag 509

<210> 261
 <211> 510
 <212> DNA
 <213> Homo sapiens

<400> 261

gaattcggca	cgagggtgcat	gttggtgtgag	gatcccgggg	ccgccgcgtc	gctcggggccc	60
cgccatggcc	gtcaccatca	cgctcaaaac	gctgcagcag	cagaccttca	agatccgcat	120
ggagcctgac	gagacggtga	aggtgctaaa	ggagaagata	gaagctgaga	agggtcgtga	180
tgccttcccc	gtggctggac	agaaactcat	ctatgccggc	aagatcttga	gtgacgatgt	240
ccctatcagg	gactatcgca	togatgagaa	gaactttgtg	gtcgtcatgg	tgaccaagac	300
caaagccggc	caggggtacct	cagcaccccc	agaggcctca	cccacagctg	ccccagagtc	360
ctctacatcc	ttcccgccctg	cccccaacct	aggcatgtcc	catccccccac	ctgccgccag	420
agaggacaag	agcccatcag	aggaatccgc	ccccacgacg	tccccagagt	ctgtgtcagg	480
ctcttgttcc	ctcttcagggt	aacaacccggg				510

<210> 262

<211> 432

<212> DNA

<213> Homo sapiens

<400> 262

gacatgtaat	tcttatttat	ttttaccctc	caacaaggaa	gaaagggtctc	tccctcaatt	60
ctgctcttcc	aatacttgag	gataggcaac	cctaaccctc	cttcctccag	ggaggcctca	120
gcatcagtgt	ctgtggacgt	agtctctgaa	gagtgtctca	gctgatgggg	aaggagaaac	180
tcaagacaga	gacctccta	gggatggcgt	cactttcctg	ccaactttct	cgttgcctct	240
ccttgaaagc	agaagaagtg	ccagccctca	gcttcctgca	gatcttgggc	tcctagggcc	300
ttgtacaagt	ccatggccct	ctgggtccag	tccaggacgg	ccaggcggaa	ttgggagcag	360
cccttatcca	aggccacctc	agccaccttt	ttgattattt	tggaaaccaat	cccttgacct	420
cgatattccg	gc					432

<210> 263

<211> 614

<212> DNA

<213> Homo sapiens

<400> 263

gaattcggca	cgaggcgcag	agttgtcgt	actggagaag	tccctgggac	tgagtaaggg	60
gaataaatac	agtgtcagc	gcgagcgaca	gattccagtt	cttcagacaa	acaatgggtcc	120
aagtctaaca	ggattgacta	ctatagcagc	tcacttagtc	aagcaagcca	acaaagaata	180
tttgctgggg	agtactgcag	aagaaaaaagc	aatcgttcag	cagtgggttag	aatacagggt	240
cactcaagta	gatgggcact	ccagtaaaaa	tgacatccac	acactgttga	aggatcttaa	300
ttcatatctt	gaagataaag	tctaccttac	agggtataac	tttacattag	cagatatact	360
attgtactat	ggacttcac	gctttatagt	tgacctgaca	gttcaagaaa	aggagaaata	420
tcttaatgta	tctcgtcgtg	tttgtcacat	tcagcattat	ccaggcatca	ggcaacatct	480
gtctagtgtt	ggtcttcac	aagaacagac	tatatactaa	ttcccctaga	aagctgtcca	540
tgccatacag	aagatctatt	aaaaaatgtt	ttaaaatgga	aaatgtactc	ttagaaccac	600
aggacttaat	ggta					614

<210> 264

<211> 336

<212> DNA

<213> Homo sapiens

<400> 264

gaattcggca	cgaggggcac	aacagagccg	ctccccctctc	ctcgccccgc	caccggggacg	60
gagagcgccc	gcccgtgcat	ttccggcgac	acctcgcagt	cattcctgcg	gcttgccgcgc	120
ccttgtagac	agccggggcc	ttcgtgagaa	cggtgcaggc	ctggggtagt	ctcctgtctg	180
gacagagaag	agaaaaatgc	aggacactgg	ctcaagagtg	cctttgcatt	ggtttggctt	240
tggtacacca	gcactggttg	cttctgggtg	gaatatattgc	tattgaaaag	caagcaagcg	300

tgcgcgtccct ggctgcaggg ctgctctttt ggaagt

336

<210> 265
 <211> 487
 <212> DNA
 <213> Homo sapiens

<400> 265
 gaattcggca cgagggtgact gtgggaaact cggaacaag ctcacatctt cctgtgggaa 60
 accttctagc aacaggatga gtctgcagtg gactgcagtt gccaccttc tctatgcgga 120
 ggtctttgtt gtgttgcttc tctgcattcc cticatttct cctaaaagat ggcagaagat 180
 tttcaagtcg cggtggttg agttgttagt gtctatggc aacaccttct ttgtggttct 240
 cattgtcatc cttgtgctgt tggatcatga tgcctgctgc gaaattcggg agtatgatga 300
 tgtgacggaa aaggtgaacc tccagaacaa tcccggggac atggagcact tccacatgaa 360
 gcttttccgt gccagagga atctctacat tgcctgcttc tcttgccttc tgccttccct 420
 gcttagacgc ctggtgactc tcatttcgca gcaggccacg ctgctggcct ccaatgaagc 480
 ctttaaa 487

<210> 266
 <211> 418
 <212> DNA
 <213> Homo sapiens

<400> 266
 gaattcggca cgaggccgtg acctgctagc tgagcagcgc ttcccgggcc gcgtgctgcc 60
 ctgcgacttg gacctgctgt tgcacatgaa caacgcgcgc tacctgcgcg aggccgactt 120
 tgcgcgcgtc gcgcacctga cccgctgcgg ggtgctcggg gcgctgaggg agttgcgggc 180
 gcacacggtg ctggcgccct cgtgcgcgcg ccaccgcgcg tcgctgcgcg tgcctggagcc 240
 cttcgagggtg cgcaccgcgc tgcctgggctg ggacgaccgc gcgttctacc tggaggcgcg 300
 ctttgcacgc ctgcgggacg gtttcgtgtg cgcctgctgc cgttcccgcc agcacctgct 360
 gggcacctca cccgagcgcg tcgtgcagca cctgtgcca cgaagggtgg aacccccct 418

<210> 267
 <211> 418
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(418)
 <223> n = A,T,C or G

<400> 267
 gaattcggca cgaggctggc tcccaccgct gagttggctc aacagattga ggaagagacc 60
 atcaagtttg ggaaaccgct aggtatccgc actgtggctg tcattggttg catctccaga 120
 gaagaccagg gcttcaggct gcgcattggg tgtgagattg tgattgctcc cctgggcgctt 180
 tgattgatgt gctggaaaac ccgtnccctg tgcctgaacc gctgtacctg tgtggttctg 240
 gatgaggcag ataggatgat tgacatgggc tttgagccag atgtccagaa gatcctggag 300
 cacatgcctt gtcagcaacc agaagcccaa acacggatga agcttgagga cccctgagaa 360
 aatgcttgg ccaacttttg agtcgggaaa acattaagta cccgccccaa cagtcatt 418

<210> 268
 <211> 266
 <212> DNA

<213> Homo sapiens

<400> 268

```
gaattcggca cgagggcttc tcaactgagt cctactttta tgtcctgcct gtggtgagca 60
caaatgttga gcacatcaat ccccatTTTg tagacgaaga gacagagttg agtgacttgc 120
ccaaagacac agggccagtg aggagttgtg caggtttgcc ctggcattaa aataataaac 180
attgaaattc agtcgattcc cctatggact cagttataga tctcatcagt tgaaggaaga 240
gagatgcctt ttccatttca accttt 266
```

<210> 269

<211> 235

<212> DNA

<213> Homo sapiens

<400> 269

```
gaattcggca cgagggctcc tgcagccttt tcgctgggac tgcgcgacac cgccccccga 60
ccgggtgccc gctgtgtgcc aggcggggtg ctgggcacgg tcccgcgagt gccctataag 120
gactgccagg caataatgaa ggttctttta ctgaaggatg cgaaggaaga tgactgtggc 180
caggatccgt atatcaggga attaggatta tatggacttg aagccacttt gatcc 235
```

<210> 270

<211> 386

<212> DNA

<213> Homo sapiens

<400> 270

```
gaattcggca cgaggggttcc tgcggggccg ccgggtgctg gtcaccgggg caggcaaagg 60
tataggcgcg gccacgggcc aggcgctgca cgcgacgggc gcgcgggtgg tggctgtgag 120
ccggactcag gcggatcttg acagccttgt ccgcgagtgc ccggggatag aaccctgtgt 180
cgtggacctg ggtgactggg aggccaccga gcgggcgctt gggcagcgtg ggccccgtgg 240
acctgctggt gaacaacgcc cgtgtgcgcc ctgctgcage ccttccctgga ggtcaccaag 300
gaggcccttt acagatccct tgaggtgaac ctgcgtgcgg catccagtgt cacagattgt 360
ggcaggggct taatacccgg gagtcc 386
```

<210> 271

<211> 406

<212> DNA

<213> Homo sapiens

<400> 271

```
gaattcggca cgaggggctg ctggctggct aagtccctcc cgtcccggc tctcgctca 60
ctaggagcgg ctctcggtgc agcgggacag ggcgaagcgg cctgcgccca cggagcgcgc 120
gacactgccc ggaagggacc gccacccttg cccctcagc tgcccactcg tgatttccag 180
cggcctccgc gcgcgcacga tgccctcggc caccagccac agcgggagcg gcagcaagtc 240
gtccggaccg ccaccgccgt cgggttccct cgggagttag gcggccgcgg gagccggggc 300
cgccgcgcgg gcttctagca ccccgcaacc ggcaccggcg ctgtccagac cgaggccatg 360
aagcagattc tcggggtgat cgacaagaaa cttcggaacc tggaga 406
```

<210> 272

<211> 365

<212> DNA

<213> Homo sapiens

<400> 272

```

gaattcggca cgaggctcgc ctactagga gcggctctcg gtgcagcggg acagggcgaa 60
gcggcctgcg cccacggagc ggcgcacact gcccggaagg gaccgccacc cttgccccct 120
cagctgccca ctctgtattt ccagcggcct ccgcgcgcgc acgatgcctt cggccaccag 180
ccacagcggg agcggcagca agtcgtccgg accgccaccg ccgtcggggt cctccgggag 240
tgaggcggcc gcgggagcgc gggccgcgcg ccggcttcta gcaccccgca accggcaccg 300
gcgctgtcca gaccgaggcc atgaagcaga ttctcggggt gatcgacaag aaacttcgga 360
acctg 365

```

```

<210> 273
<211> 376
<212> DNA
<213> Homo sapiens

```

```

<400> 273
gaattcggca cgaggctttg gccactcaga gccccgggc cgcggtcgtc gtacgcctga 60
aggcgggtcg tgccggcggc cgctctagtc tccgcctccg ctccaggccg tectccggg 120
cttctcaatg gtttcccggt ggctctcaa tggttttccc ggcggccctt gcgccgacg 180
caggagactt ccggagcttg gtgacgtcac agagcgagct tttctaccca aatacgcggc 240
gggggaatag gctcgagggc ggggagcagt gacaattgct aggcggagac agtgcaggga 300
agagagacct tataaaggat caggactggc gggaggtatt taactgaaag gaatatctgc 360
ttcactgttg caacca 376

```

```

<210> 274
<211> 385
<212> DNA
<213> Homo sapiens

```

```

<400> 274
gaattcggca cgaggcttgg gtcggtcgtc gttcgggtgt ccctgtcggg cttcccagca 60
gcggcctagc gggaaaagta aaagatgtct gaatatattc gggtaaccga agatgagaac 120
gatgagccca ttgaaatacc atcggaagac gatgggacgg tgctgctctc cagcgttaca 180
gccagtttc caggggcgtg tgggcttcgc tacaggaatc cagtgtctca gtgtatgaga 240
ggtgtccggc tggtagaagg aattctgcat gcccagatg ctggctgggg aaatctgggt 300
tatgttgtca actatccaaa agataacaaa agaaaaatgg atgagacaga tgcttcatca 360
gcagtgaag tgaaaagagc agtcc 385

```

```

<210> 275
<211> 395
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(395)
<223> n = A,T,C or G

```

```

<400> 275
gaattcggca cgagggggag cggagagcgg accccagaga gccctgagca gcccaccgc 60
cgccgcgggc ctagttacca tcacaccccg ggaggagccg cagctgccgc agccggcccc 120
agtcaccatc accgcaacca tgagcagcga ggccgagacc cagcagccgc ccgcccccc 180
ccccgcgcgc cccgccttca ggcgcgcga caccaagccc ggcactacgg gcagcggcgc 240
aaggagcggg ggcgcgggcg gctcacatt cggcgggggc ttgccggcgg ggacaaagaa 300
aggcattcgc caacgaaggg ttttgggaaa caagtaaaat gggttcaatt gtaagggaac 360
cggattttgg ttttnattca accagggaat ttgac 395

```


<210> 276
 <211> 282
 <212> DNA
 <213> Homo sapiens

<400> 276
 gaattcggca cgagggcagg ggtggctctg gctggcattg cctgagccgg cagtgatgaa 60
 gtggggagct tgcccttgac aggtgggggc tggctggggc cttaatgtga aaagacagtg 120
 gcaggcagct ggagtagagc gagcccagca gccctaaaag gctgccttca tggccatcta 180
 gccccagttc agggcagcat ccatagccca caagccagcg tgggtggggc gggggtggtc 240
 ccacagctgg gttccacctg aagagcctcc gtgcctcgga gc 282

<210> 277
 <211> 615
 <212> DNA
 <213> Homo sapiens

<400> 277
 gaattcggca cgagggccggt cggcctgggc aacctgcgct gaagatgccg ggaaaactcc 60
 gtagtgacgc tggtttggaa tcagacaccg caatgaaaaa aggggagaca ctgcaaaagc 120
 aaaccgagga gaaagagaaa aaagagaagc caaaatctga taagactgaa gagatagcag 180
 aagaggaaga aactgttttc cccaaagcta aacaagttaa aaagaaagca gaggccttctg 240
 aagttgacat gaattctcct aaatccaaaa aggcacaaaa gaaagaggag ccattctcaa 300
 atgacatttc tcctaaaacc aaaagtgtga gaaagaaaaa ggagccattt gaaaagaaag 360
 tggtttcttc taaaaccaaa aaagtgacaa aaaatgagga gccttctgag gaagaaatag 420
 atgctcctaa gcccaagaag atgaagaaag aaaaggaaat gaatggagaa actagagaga 480
 aaagccccaa actgaagaat ggatttcttc atcctgaacc ggactgtaac cccagtgaag 540
 ctgccagtga agaaaagtaac agtgagatag agcaggaaat cctgtggaac aaaaagaagg 600
 cgctttctct atttt 615

<210> 278
 <211> 316
 <212> DNA
 <213> Homo sapiens

<400> 278
 gaattcggca cgaggagaaa gggaaaaaag gcgtaaagac agacatgaag caagtgggtt 60
 tgcaaggaga ccagatccag attctgatga agatgaagat tatgagcgag agaggaggaa 120
 aagaagtatg ggcggagctg ccattgcccc acccacttct ctggtagaga aagacaaaga 180
 gttaccccca gattttcctt atgaagaagg actcaagacc tcgatcacag tctttccaag 240
 cagccctttc ttccccaggt gtaccgaagg aaccaagaac agacccgaga atcttccacc 300
 cggaccctta gcaaac 316

<210> 279
 <211> 393
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(393)
 <223> n = A,T,C or G

<400> 279

```

gaattcggca cgagggtgaa accaacttat tgggctcaat cccatttggt cacaggatac 60
tgtacgtatc ttccctttcca gagatttgat atcaccacaga caccgccagc atacataaac 120
gtgttaccag gtttgcccca gtacaccagc atatatacac ccttggccag cctttctcct 180
gaatatcagc taccaagatc agtaccagtg gtgccgtctt ttgtagccaa tgacagagca 240
gaaaaaaatg ctggctgctt attttgnggg gcattcattt tgaaatggct tgagaaatgg 300
ttggctgggt caccacagaat tggccttctt gaaaaccaca agaatccctt tggaaggggg 360
cttctttttg gggaaaataa tcttggttaa aag 393

```

<210> 280

<211> 454

<212> DNA

<213> Homo sapiens

<400> 280

```

gaattcggca cgaggcagca atgcggtaga tatgacgtaa acaaattata attaagctag 60
tggatactca gagatcaaaa gaactgcaca ttgcattctg gagcatgaga aatcattttt 120
tttttcatac tgtctaactc tactgaattt attcaatgga gataacagaa agatgattat 180
atatgattaa attacttcca gtattagcag atgcttattt aaataacttg ttgttctttc 240
tgcaattcca catagaatta aggcaatagt ttaaaagaaa atttaaaaag taacttttct 300
agcattttta tgtagacctg tgaattctaa cacatttgca gtgtagccat cctaattgact 360
aaccagactt gaacaaaatc caacttgcaa aaacgatgca atataaatac caatcaccaa 420
taataggtag tctcactttt aaaaacctgt gtct 454

```

<210> 281

<211> 613

<212> DNA

<213> Homo sapiens

<400> 281

```

gaattcggca cgagggtgcgc tcttcgttgc ccagtttccg ctcaagtggc gcgtctccgc 60
ccccaccca ccagtcocgc tgcattctcg gccgggctct aggcgccatg gctccccgcg 120
ggagggaagcg taaggctgag gccgcggttg tgcgcgtagc cgagaagcga gagaagctgg 180
cgaacggcgg ggagggaatg gaggaggcga ccgttgttat cgagcattgc actagctgac 240
gcgtctatgg gcgcaacgcc gccggccctg gccaggcgct gcgcctggag gccccagagc 300
ttccagtaaa ggtgaacccg acgaagcccc ggaggggcag cttcgagggt acgctgctgc 360
gcccgagcgg cagcagtgcg gagctctgga ctgggattaa gaaggggccc ccacgcaaac 420
tcaaattccc tgagcctcaa gaggtggttg aagagttgaa gaagtacctg tcgtaggagg 480
atttgggtag aagccctcat gctgagcttt gtgtccctgg tgatgttgga acattaatga 540
tggaacatgg ccaaaactta gtcattgatc tgaagccatg gtttcttccc tgccagaaat 600
gaaggttcat tat 613

```

<210> 282

<211> 313

<212> DNA

<213> Homo sapiens

<400> 282

```

gaattcggca cgaggcgaga acgggcacgg ggagcagcag cctcaaccgc cggcgacgca 60
gcagcaacag cccaacagc agcgcggggc cgccaaggag gccgcgggga agagcagcgg 120
ccccacctcg ctgttcgcgg tgacggtggc gccgccggg gcgaggcagg gccagcagca 180
ggcgggaggt aagaagaagg cggaaggcgg cggaggcgcc ggtcgccccg gggctccggc 240
ggcgggggac ggcaaaacag aacagaaagg cggagataaa aagaggggtg ttaaaagacc 300
accacaagat cat 313

```

<210> 283
 <211> 557
 <212> DNA
 <213> Homo sapiens

<400> 283
 gaattcggca cgaggcctgg cgggggagac gagttgcatg tgttggttca gctggcgata 60
 gcggcgggag cggagccggc ggggcctgtg cgaccgcctg ggtttgtgaa atggctgctg 120
 acatttctga atccagcggg gctgactgca aaggagaccc aaggaacagt gccaggttag 180
 atgccgatta cccacttcga gtccttttatt gtggagtctg ttcattacca acagagtact 240
 gtgaatatat gctgatgtt gctaaatgta gacaatgggt agagaagaat tttccaaatg 300
 aatttgcaaa acttactgta gaaaattcac ccaaacaaga agctggaatt agtgagggtc 360
 aaggaacagc aggggaagaa gaggagaaga aaaaacagaa gagaggtgga aggggtcaaa 420
 taaaacaaaa aaagaagacc gtaccacaaa aggttactat agccaaaatt cccagagcaa 480
 agaagaaata tgtgacaaga gtatgtggcc ttgcaacttt tgaaattgat cttaaaagaag 540
 cacaaagatt ttttgc 557

<210> 284
 <211> 627
 <212> DNA
 <213> Homo sapiens

<400> 284
 gaattcggca cgaggctcac taggagcggc tctcgggtgca gcgggacagg gcgaagcggc 60
 ctgcgccac gcagcgcgcg acactgcccg gaagggaccc ccacccttgc cccctcagct 120
 gccactcgt gatttccagc ggctcccgcg cgcgcacgat gccctcggcc accagccaca 180
 gcgggagcgg cagcaagtgc tccggaccgc caccgcgctc gggttcctcc gggagtgagg 240
 cgcccgcggg agccggggcc gccgcgcggc cttctcagca ccccgcaacc ggcaccggcg 300
 ctgtccagac cgaggccatg aagcagattc tgggggtgat cgacaagaaa cttcgggaacc 360
 tggagaagaa aaagggttaag cttgatgatt accaggaacg aatgaacaaa ggggaaaggc 420
 ttaatcaaga tcagctggat gccgtttcta agtaccagga agtcacaaat aatttggagt 480
 ttgcaaaaaga attacagagg agtttcatgg cactaagtca agatattcag aaaacaataa 540
 agaagacagc acgtcgggag cagcttatga aaaaagaact gaacagaaac gtttaaaaac 600
 ttgtacttga actacagtat tgtttgg 627

<210> 285
 <211> 474
 <212> DNA
 <213> Homo sapiens

<400> 285
 gaattcggca cgagggcgag aacgaccccc ggaccgacca aagcccgcg cccgctgcat 60
 ccgcgctcca gcacctacgt cccgctgccc togcgcgcgc caccatgcc aagagaaagg 120
 ctgaagggga tgctaaggga gataaagcaa aggtgaagga cgaaccacag agaagatccg 180
 cgaggttgtc tgctaaacct gctcctccaa agccagagcc caagcctaaa aaggcccttg 240
 caaagaagg agagaaggta cccaaaggga aaaagggaag agctgatgct ggcaaggagg 300
 ggaataacct tgcagaaaat ggagatgcc aacagacca ggcacagaaa gctgaagggtg 360
 ctggagatgc caagtgaagt gtgtgcattt ttgataactg tgtacttctg gtgactgtac 420
 agtttgaaat actatttttt atcaagtttt ataaaaatgc agaatttttg tttt 474

<210> 286
 <211> 576
 <212> DNA

<213> Homo sapiens

<400> 286

```

gaattcggca cgaggggaat ctgtgaagct cactactgga ccaaacaacg ctggagctca 60
aagtagttct tcatgtggga cttctggcct tccagtttct gcacagacag ccttggcaga 120
acaacagcca aaaagcatga aaagccagc ttctccagag cctggtttct gtgctactct 180
ttgccctatg gtagaaattc cacctaaaga tataatggca gaattggagt cagaggatat 240
cttgatccct gaagaatctg taattcagga ggaaattgca gaagaggtag agactagtat 300
ctgtgaatgc caggatgaaa atcataagac aatacctgaa ttttctgagg aggctgaaaag 360
tctaaccaat tctcatgaag aaccccaaat agcacctcct gaagataact tggaaatcctg 420
tgttatgatg aatgatgttt tagaaacttt gcctcatatt gaagttaaga tagaaggga 480
gtcagaatca cccaggaag aaatgacagt tgttatcgat cagttagaag tctgtgactc 540
tcttattcct tccacttcat ctatgactca tgtcag 576

```

<210> 287

<211> 514

<212> DNA

<213> Homo sapiens

<400> 287

```

gaattcggca cgagggcagag aggtttgcc aagagcgag gctgagaata tggagagact 60
atgtggctcc cacagcta at tggaccaaa aggacaagca gtttgttgcc aaggtgatgc 120
aggttctgaa tgctgatgcc attgttgtga agctgaactc aggcgattac aagacgattc 180
acctgtccag catccgacca ccgaggctgg agggggagaa caccaggat aagaacaaga 240
aactgcgtcc cctgtatgac attccttaca tgtttgaggc ccgggaattt cttcgaaaaa 300
agcttattgg gaagaaggtc aatgtgacgg tggactacat tagaccagcc agcccagcca 360
cagagacagt gctgccttt tcagagcgta cctgtgccac tgtcaccatt ggaggaataa 420
acattgctga ggctcttgtc agcaaaggtc tagccacagt gatcagatac cggcaggatg 480
atgaccagag atcatcacac tacgatgaac tgct 514

```

<210> 288

<211> 456

<212> DNA

<213> Homo sapiens

<400> 288

```

gaattcggca cgagggggcg ggcaggcggg caggccggca ggcgggtgcg cggagggctg 60
gtgccccgca gcaggtgggc ggggtgcggt tggcggcggc ggctgggccc ggggctgccg 120
gctgcgctcg ggcggtgcgc ggcggccgtg cgggcacgcc atggacttca acatgaagaa 180
gctggcgctg gacgcgggca tcttcttcac ccgggcggtg cagttcacgg aggagaaatt 240
tggccaggct gagaagactg agcttgatgc ccactttgaa aaccttctgg cccgggcaga 300
cagcaccaag aactggacag agaagatctt gaggcagaca gaggtgctgc tgcagcccaa 360
ccccagtgcc cgagtggagg agttcctgta tgagaagctg gacaggaagg tcccctcaag 420
ggtcaccaac ggggagctgc tggtcagta catggc 456

```

<210> 289

<211> 262

<212> DNA

<213> Homo sapiens

<400> 289

```

gaattcggca cgagggcagaa gcccctagct cctctgagcc tcatggggcc agaggaagca 60
gtagtccggg cggcaagaaa tgctacaagc tggagaatga gaagctgttc gaagagttcc 120
ttgaactttg taagatgcag acagcagacc accctgaggt ggtcccatc ctctataacc 180

```

ggcagcaacg tgcccaactct ctgttttttgg cctcggcgga gttctgcaac atcctctcta 240
gggtcctgtc tcgggcccgg ac 262

<210> 290
<211> 205
<212> DNA
<213> Homo sapiens

<400> 290
gaattcggca cgaggattta tgggccaactg cacatgccg ctgcagccct gggatcagct 60
ggaagctgcc tgtcatctcc tgcccaatcc ccagaaaccc tgattcaggt ctgcaggctc 120
ctgcgggctc accaggctgc tggctccggg accatgtaaa cctaggaagg taaaggagca 180
ggcaacctcc tcgtggcctg tgtgt 205

<210> 291
<211> 483
<212> DNA
<213> Homo sapiens

<400> 291
gaattcggca cgaggcctgg ccgggaccgt gtgggcccgt aggatgagga cggctgggag 60
acgcgagggg accgcaaggc ccggaagccc ctggtggaga agaagcggcg cgcgcggatc 120
aacgagagcc tgcaggagct ggggtgctg ctggcgggcg ccgaggtgca ggccaagctg 180
gagaacgccg aagtgtctga gctgacggtg cggcgggtcc aggggtgtgct gcggggcccg 240
gcgcgcgagc gcgagcagct gcaggcggaa gcgagcgaac gcttcgctgc cggctacatc 300
cagtgcctgc acgaggtgca cacgttcgtg tccacgtgcc aggccatcga cgctaccgtt 360
ctgccgagct cctgaacctat ctgctcgagt ccatgccgct gcgtgagggc agcaacttca 420
ggatctgctg ggggacgccc tcgggggcca cctaaatccc ctggacggaa tggctggctg 480
cgg 483

<210> 292
<211> 562
<212> DNA
<213> Homo sapiens

<400> 292
gaattcggca cgagggcgct gcgggtagga gccgggttgc gggagacccc aggttcgggtt 60
gggattccca gccagaacgg agcttaagcc gggcaggcga gcgaatgacg gagtagcgag 120
ctgcacggcg gcgtgctgct ctggttagga cgctgtccc cgcgctcca ggccgccccg 180
aggcttgagg tcttcgaagg ataatcggcg cccggggccg aacagcgggg gcacacgggg 240
cgctgccgaa gtgcaaggcc acggccagag ctcgagccc acgcgctgtc tggagtctga 300
ggttggcgcc gtttggggtc ggggtctgag gcttggggcg tgectgggce gagcggagat 360
cgggggttgc ctcccgctcc cgtcaggac cctgacgtgg ctgaagcggc cccgggagca 420
tgagcggcag cgcgtggacg tcaagggtgt gatgctgggc aaggagtacg tgggcaagac 480
tagcctggtg gagecgtacg tgcacgaccg ctttctggtg gggccttatc agaacacct 540
cggggcccgcc ttcgtggcca ag 562

<210> 293
<211> 645
<212> DNA
<213> Homo sapiens

<400> 293
gaattcggca cgaggctgag agagagcaca gcctgggtggg ttctggggtc tacggcctag 60

```

gggccgggga agtttgcgcc gccgcgacca gtgctgcgat cccgagccgg gctccagccc 120
cgaggaccag gggtcggggc ggctgccta cggaaccccg cgggccagca gcagtcgtct 180
cgcgtcctcc tgcttgaaa agtgtttaag cttctaaaat gtcactatc aagcacctgg 240
tttatgcagt tattcgtttc ttacgggaac aaagtcagat ggacacttac acctcggatg 300
aacaagaaag tttggaagtt gcaattcagt gcttggagac agtttttaag atcagcccag 360
aagatacaca cctagcagtt tcacagcctt tgacagaaat gtttaccagt tccttctgta 420
agaatgacgt tctgcccctt tcaaactcag tgctgaaga tgtgggaaaa gctgaccaat 480
taaaagatga aggcaataac cacatgaaag aagaaaatta tgctgctgca gtggattggt 540
acacacagggc aatagaattg gatcccaata atgcagttta ctattgcaac agggctgctg 600
ctcagagcaa attaggtcac tacacagatg cgataaagga ttgtg 645

```

<210> 294

<211> 521

<212> DNA

<213> Homo sapiens

<400> 294

```

ctgagcgtct ctgcttagcc gcggtcatga gccggcacag ccggctgcag aggcaggttc 60
tgagcctgta ccgcgatctg ctgcgcgccg ggcgtgggaa gccgggcgcc gaggcgcgag 120
tgccggcaga gttccggcag catgcgggcc tgcgcgggtc cgacgtgctg cgcctcgagt 180
acctgtaccg ccgcgggcgg cgcagctgc agctgctacg ctccggccac gccaccgcca 240
tgggcgccct cgtacgcccg cgggccccga ccggggagcc tggcggcgtg ggttcccagc 300
ctgacgacgg cgacagtcca aggaaccccc acgacagcac gggggcaccg gagaccgcc 360
ccgacggacg gtgacaggcg aagagccgaa ctgcctcgat ggcgtggtgg agccaggagg 420
ctgcctgac tgcattgggg gactggggaa ccgcctaag gtgagaggtc ttaagagact 480
agcttgacga attggggatg tcagagactc ctcttggcg a 521

```

<210> 295

<211> 375

<212> DNA

<213> Homo sapiens

<400> 295

```

gaattcggca cgaggagaac atgcagtcta ggaaccggca tgcgcataac ctgagatat 60
aaataatgct gaagcagagt tacgtttttt ttgttgttgt ttttttgtt tttgttttt 120
taggtttccg tgtgtttcta ttgagctgct cagtgcccg cttagaagac caggaaaagg 180
agtcacaggt cgtatgctgg aggetttagc cgcggcaccg tggcgcggct cgcctcgtct 240
cggttggtgg tggcgggtga cattgcagcg cggctggagg gggtccttag acaaggtgca 300
agacaaacag aagagggcat gtggggtcaa actcctactg cctgcctgat tttctgccac 360
aggacaaatt cacca 375

```

<210> 296

<211> 628

<212> DNA

<213> Homo sapiens

<400> 296

```

gaattcggca cgaggaaaat ggttcgctat tcacttgacc cggagaaccc caccgaaatca 60
tgcaaatcaa gaggttccaa tcttcgtgtt cactttaaga acactcgtga aactgctcag 120
gccatcaagg gtatgcata acgaaaagcc acgaagtatc tgaaagatgt cactttacag 180
aaacagtgtg taccattccg acgttacaat ggtggagttg gcaggtgtgc gcaggccaag 240
caatggggct ggacacaagg tcggtggccc aaaaagagtg ctgaattttt gctgcacatg 300
cttaaaaacg cagagagtaa tgctgaactt aagggtttag atgtagattc tctggctcatt 360
gagcatatcc aagtgaacaa agcacctaag atgcgccgcc ggacctacag agctcatggt 420

```

```

cggattaacc catacatgag ctctccctgc cacattgaga tgatccttac ggaaaaggaa 480
cagattgttc ctaaaccaga agaggaggtt gccagaaga aaaagatata ccagaagaaa 540
ctgaagaaac caaaacttat ggcaacggag taaattctca ttaaaataaa tgtaattaaa 600
aggaaaaaaa aaaaaaaaaa aactcgag                                     628

```

<210> 297

<211> 645

<212> DNA

<213> Homo sapiens

<400> 297

```

gaattcggca cgaggagaaa acgaagcagc gttggaaaat ggaattaaaa atgaggaaaa 60
cacagaacca ggtgctgaat cttctgagaa cgctgatgat cccaacaaag atacaagtga 120
aaacgcagat ggtcaaagtg atgagaacaa ggaacgactat acaatcccag atgagtatag 180
aattggacca tatcagccca atgttccctgt tggatatagac tatgtgatac ctaaaacagg 240
gttttactgt aagctgtgtt cactctttta taaaaatgaa gaagttgcaa agaatactca 300
ttgcagcagc cttcctcatt atcagaaatt aaagaaattt ctgaataaat tggcagaaga 360
acgcagacag aagaaggaaa cttaatgtgt gcaaggagat ttaatgattt caaagaaaat 420
aatggttctt tgtttttaat gttaaccttt tttaaataca atactgatag ttagaagaaa 480
actattgtac tcttttgttt tagtggagaa ataatagatg tctgttcatg tgttaagtgt 540
tatagcaaaa aaaatacaca tatggttaag ttaatgaata gtttttgttt tatcagaatg 600
gcaacagaca gaagtacttt gtagagattg acttcctaag ctctt                                     645

```

<210> 298

<211> 625

<212> DNA

<213> Homo sapiens

<400> 298

```

gaattcggca cgaggggatt cagcagcctc ccccttgagc cccctcgctt cccgacgttc 60
cgttccccc tgccgcctt ctcgcgccac cgcgcgcgc gccttcgcga ggccgtttcc 120
accgaggaaa aggaatcgta tcgtatgtcc gctatccaga acctccactc ttccgacccc 180
tttgctgatg caagtaagggt tgatgacctg cttcctgctg gcactgagga ttatatccat 240
ataagaattc aacagagaaa cggcaggaag acccttacta ctgtccaagg gatcgctgat 300
gattacgata aaaagaaact agtgaaggcg ttaagaaaa agtttgctg caatggtact 360
gtaattgagc atccggaata tggagaagta attcagctac agggtgacca acgcaagaac 420
atatgccagt tctcgttaga gattggactg gctaaggacg atcagctgaa ggttcatggg 480
ttttaagtgc ttgtggctca ctgaagctta agtgaggatt tccttgcaat gagtagaatt 540
tcccttctct tcttgtcac aggtttaaaa acctcacagc ttgtataatg taaccatttg 600
gggtccgctt ttaacttggc ctagt                                     625

```

<210> 299

<211> 545

<212> DNA

<213> Homo sapiens

<400> 299

```

gaattcggca cgaggggagcc caggagggtca aggctacagt gagccgtgat catgccactg 60
cactccagcc tgggtgacag agcgagaccc tgtctcttaa caacaaaacc catgagcggc 120
agccccccag tcctggatgg tggtaagaa tcctcaagat caaaccacg cagtgtctgag 180
agcttggcct gattctagggt ctggggctgg agaaactgct agagatgatg ccgatagcca 240
gtgtgatccc cctgccttga tggcgaagg cagagtgcag actggaacct tcccctcccc 300
aaagattcag acctgtgggt ctgagtgggc tcatagtgtc cccaagtcct gagaggctgg 360
tgtctggctt cagcctccag cttctcaggt tctgatgcag tcagctgagt tccctgccta 420

```

```

ttcttgcaag cactaggagg aagggtggtg ggttgctggg aacagcaccg agcgccctcc 480
ccaccagat tcacagagca cactccccgg ggggatactt taatccggag gccgtgacgc 540
ctgct                                           545

```

```

<210> 300
<211> 605
<212> DNA
<213> Homo sapiens

```

```

<400> 300
gaattgggca cgaggcgggc cgcagctttt cggttcacag cgggcagggg aagccgcggg 60
aagggtactc caggcgagag gcgacgcga gtcgtcgtg caggaaaagt gactagctcc 120
ccttcgttgt cagccaggga cgagaacaca gccacgctcc cacccggtg ccaacgatcc 180
ctcggcggcg atgtcgcccg ccggtgcccg aggcctgagg gccacctacc accggtcctc 240
cgataaagtg gagctgatgc tgcgcgagaa attgaggcgg ttgtacaacc atccagcagg 300
toccagaaca gtttttttct gggctccaat tatgaaatgg gggttggtgt gtgctggatt 360
ggctgatatg gccagacctg cagaaaaact tagcacagct caatctgctg ttttgatggc 420
tacagggttt atttggtcaa gatactcaact tgaattatt ccaaaaaatt ggagtctgtt 480
tgctgttaat ttctttgtgg gggcagcagg agcctctcag ctttttcgta tttggagata 540
taaccaagac taaaagctaa agcacacaaa taaaagagtt ctgatcacct gaacaatcta 600
gatgt                                           605

```

```

<210> 301
<211> 364
<212> DNA
<213> Homo sapiens

```

```

<400> 301
gaattcggca cgaggcgcac acgagaacat gcctctcgca aaggatctcc ttcattccctc 60
tccagaagag gagaagagga aacacaagaa gaaacgcctg gtgcagagcc ccaattccta 120
cttcattgat gtgaaatgcc caggatgcta taaaatcacc acggtcttta gccatgcaca 180
aacggtagtt ttgtgtgttg gctgctccac tgtcctctgc cagcctacag gaggaaaagc 240
aaggcttaca gaaggatggt ccttcaggag gaagcagcac taaaagcact ctgagtcaag 300
atgagtggga aaccatctca ataaacacat tttggataaa aaaaaaaaaa aaaaaaaact 360
cgag

```

```

<210> 302
<211> 545
<212> DNA
<213> Homo sapiens

```

```

<400> 302
gaattccggc acgaggggac ccagagagac cctgagcagc cccaccgccg ccgcccgcct 60
agttaccatc acaccccggg aggagccgca gctgcgcgag ccggccccag tcaccatcac 120
cgcaaccatg agcagcgagg ccgagaccca gcagccgccc gccgcccccc ccgcccgcct 180
cgccctcagc gccgcccaga ccaagcccgg cactacgggc agcggcgagc ggagcgggtg 240
cccgggcggc ctcacatcgg cggcgccctg cggcggggac aagaaggtca tcgcaacgaa 300
ggttttggga acagtaaaat ggttcaatgt aaggaacgga tatggtttca tcaacaggaa 360
tgacaccaag gaagatgtat ttgtacacca gactgccata aagaagaata accccaggaa 420
gtaccttcgc agtgtaggag atggagagac tgtggagttt gatgttggtt aaggagaaaa 480
gggtgcggag gcagcaaagt ttacaggtcc tgggtggtgt ccagttcaag gcagtaata 540
tgcag                                           545

```

```

<210> 303

```


<211> 506
 <212> DNA
 <213> Homo sapiens

<400> 303
 gaattcggca cgaggctggt cactccgcca ccgtagaatt gcttaccatt tgggtgcaagc 60
 aaaaagcaat cagcaattgg acaggaaaag aatggcattg aagcagattt ccagcaacaa 120
 gtgctttggg ggattgcaga aagtttttga acatgacagt gttgaactaa actgcaaaat 180
 gaaatttgct gtctacttac caccaaaaggc agaaacagga aagtgccctg cactgtattg 240
 gctctcaggt ttaacttgca cagagcaaaa ttttatatca aaatctggtt atcatcagtc 300
 tgcttcagaa catggtcttg ttgtcattgc tccagatacc agccctcgtg gctgcaatat 360
 taaaggtgaa gatgagagct gggacttttg cactggtgct ggattttatg ttgatgccac 420
 tgaagatcct tggaaaacca actacagaat gtactcttat gtcacagagg agcttcccca 480
 actcataaat gccaattttc cagtgg 506

<210> 304
 <211> 485
 <212> DNA
 <213> Homo sapiens

<400> 304
 gaattcggca cgagggagtt gtgggcccag gagccctgag gctgccggca ggtgaactga 60
 gtgcccagca gctgagaccg ggcgccaccc gtccctgagca tagctctgta ggcagtgcgg 120
 gcatagcctg catagtgtcc tggcgctggg agttccccgt ggacagagcc agagggcagt 180
 ggcgctccct gtcagagctg gatcaggccc cccactgagg agggagggca gacggaggcc 240
 cgagagccctc ccaggccctc ttctgtgggaa ggcgccagta ccactcgtag gaggtctcag 300
 ctctggcatg gctgccccgg atgtggccga gggggcttca cctgtgtcc ttaggagggg 360
 gtggccttga ggcaagagcc gtgcctcact gacccccagg ggccctcatcc tccccatgga 420
 atgggctgta tgtcctgccc caacttggcc cgcagcaggg cagaccccc tcccccgcc 480
 cagag 485

<210> 305
 <211> 615
 <212> DNA
 <213> Homo sapiens

<400> 305
 gaattcggca cgaggcttac aaggaaaatg ctgacttatg accggcgctc tgagcctcag 60
 gttggggagc gattgccata cgtcatcatt tatgggaccc ccggagtacc acttatccag 120
 cttgtaaggc gccagtgga agtcctgcag gacccaactc tgagactgaa tgctacttac 180
 tatattacca agcaaatcct tccacccttg gcaagaatct tctcacttat tgggtattgat 240
 gtcttcagct ggtatcatga attaccaagg atccataaag ctaccagctc ctgcggaagt 300
 gaacctgaag ggcggaaagg cactatttca caatatTTTA ctaccttaca ctgtcctgtg 360
 tgtgatgacc taactcagca tggcatctgt agtaaattgt ggagccaacc tcagcatgtt 420
 gcagtcatcc tcaaccaaga aatccgggag ttggaacgtc aacaggagca acttgtaaag 480
 atatgcaaga actgtacagg ttgctttgat cgacacatcc catgtgtttc tctgaactgc 540
 ccagtacttt tcaaactctt ccgagtaaatt agagaattgt ccaaggcacc atatcttcgg 600
 cagttattaa accag 615

<210> 306
 <211> 504
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(504)
 <223> n = A,T,C or G

<400> 306
 gaattcggca cnaggccaaa acctgttttg gaagcatatt acagaaatga tttcaagtac 60
 cctgtattct ggatgctaaa aaacaaaaac aaacaaaaaa aaaaaacaaa 120
 ccagaatcag gtaaaacagc tatgtgatta aaatatTTTA attcttcagc aattaccgg 180
 ttttctaaat tgaatcatgc atctatttat aattctaatt attttgtaaa agaagacaaa 240
 attatgaatc ttaagtattt gctccatctt tttctctgta atgggtggaga ggctgcccat 300
 aattcatctc cacatggagc caagtttaat gtttctagtt cacattttgt acttctgtca 360
 tgcttatttc aaactccctg agtgatgggt aagaaatcaa acattgcctc agtggtatca 420
 agagaacttt ggtggtgggt tcttcagaat catgaagttc ttttgccaga taaatatTTT 480
 gatattattt tcttttttaa tata 504

<210> 307
 <211> 449
 <212> DNA
 <213> Homo sapiens

<400> 307
 gaattcggca cgaggtttaa accctgogtg gcaatccctg acgcaccgcc gtgatgccca 60
 gggaagacag ggcgacctgg aagtccaact acttccttaa gatcatccaa ctattggatg 120
 attatccgaa atgtttcatt gtgggagcag acaatgtggg ctccaagcag atgcagcaga 180
 tccgcatgtc ccttcgcggg aaggtgtggg tgctgatggg caagaacacc atgatgcga 240
 aggccatccg agggcacctg gaaaacaacc cagctctgga gaaactgctg cctcatatcc 300
 ggggggaatgt gggctttgtg ttcaccaagg aggacctcac tgagatcagg gacatgttgc 360
 tggccaataa ggtgccagct gctgccgtgc tgggtgccatt gcccctatgt aagtcactgt 420
 gccagcccag aacactggtc tggggccc 449

<210> 308
 <211> 524
 <212> DNA
 <213> Homo sapiens

<400> 308
 gaattcggca cgagggttga ttatggcaag aagtccaagc tggagttctc catttaccca 60
 gcaccccagg ttccacagc tgtagttgag cctacaact ccatcctcac caccacacc 120
 accctggagc actctgattg tgccctcatg gtagacaatg aggccatcta tgacatctgt 180
 cgtagaaacc tcgatatcga gcgcccaccc tacactaacc ttaaccgcct tattagccag 240
 attgtgtcct ccatcactgc ttccttgaga ttgtatggag ccttgaatgt tgacctgaca 300
 gaattccaga ccaacctggg gccctacccc cgcctccact tccctctggc cacatatgcc 360
 cctgtcatct ctgctgagaa agcctaccat gaacagcttt ctgtagcaga gatcaccaat 420
 gcttgctttg agccagccaa ccagatggtg aaatgtgacc ctgcctatgg taaatacatg 480
 gcttgctgcc tgttgtaacc tgggtgacgtg gttcccaaag atgt 524

<210> 309
 <211> 524
 <212> DNA
 <213> Homo sapiens

<400> 309
 gaattcggca cgagggttgc tcaactgagt cctactttta tgtcctgcct gtggtgagca 60

```

caaatgttga gcacatcaat ccccatTTTT tagacgaaga gacagagttg agtgacttgc 120
ccaaagacac agggccagtg aggagttgtg caggtttggc ctggcattaa aataataaac 180
attgaaattc agtcgattcc cctatggact cagttataga tctcatcagt tgaagggaaga 240
gagatgcctt ttctatttca gccttttttg aatccttcca tctagaggag atgtatctta 300
taatatcctc aaaggcactc tgttgctaat agcagccttg atgagggtccc atatagctca 360
ttggaagcag agctagtctt ggaaactgaa aatggttgac cagagtctgc ccattccttt 420
agctctgggt ccagctgtgg tctggggtgg aatggagtct gaccttgctt cacacagggc 480
ctgtctgttc tcattgttgc catccacatc ctggagctgc tcat 524

```

```

<210> 310
<211> 524
<212> DNA
<213> Homo sapiens

```

```

<400> 310
gaattcggca cgaggggaga ctacaaggat agggccaggga gtaatggagt ccaaagagaa 60
acgagcagta aacagtcctca gcatggaaaa tgccaaccaa gaaaatgaag aaaaggagca 120
agttgctaata aaaggggagc ccttggccct ccctttggat gctggtgaat actgtgtgcc 180
tagaggaaat cgtaggcggg tccgcgttag gcagcccatc ctgcagtata gatgggatat 240
gatgcatagg cttggagaac cacaggcaag gatgagagaa gagaatatgg aaaggattgg 300
ggaggaggtg agacagctga tggaaaagct gagggaaaag cagttgagtc atagtctgcg 360
ggcagtcagc actgaccccc ctccaccatga ccatcatgat gagttttgcc ttatgcctctg 420
aatcctgatg gtttccctaa agttattacg gaaacagacc cctgctttcg aattttacatg 480
ttcatgatgt gcccttgttg taaaccttta cctgtcactt gttt 524

```

```

<210> 311
<211> 523
<212> DNA
<213> Homo sapiens

```

```

<400> 311
gaattcggca cgaggcctcg tgcctgccc cccgaggtat ggggggtcac tcgctgctcg 60
atgttccctc cgaagggtcg gacaaggctc cggagccctg tagctgccct ccttaggagc 120
cccgggtctt cactggccga ggtgccacc ccgcagcatt ctgggagtg tagttttctt 180
ccttcagggt cattcctggc tggccagtgc ccaagactgg cgagactacg attcccagac 240
gcccagcga gtcgcccgtc acgtggccgc aaggacgctg ggcgggtggg cgggggccgg 300
caggtgctcc gcagccgtct gtgccacca gagccggcgg gccgctaggt ccccgagac 360
cctgctatgg tgcgtgcggg ccgcgtgggg gctcatctcc ccgcgtccgg cttggatctc 420
ttcggggacc tgaagaagat gaacaagcgc cagctctatt accaggtttt aaacttcgcc 480
atgatcgtgt cttctgcact catgatattg aaaggcttga tgc 523

```

```

<210> 312
<211> 524
<212> DNA
<213> Homo sapiens

```

```

<400> 312
gaattcggca cgaggggtgaa ggtgtgtgtc agcttttgcg tcaactcgagc cctgggcgct 60
gcttgctaaa gagccgagca cgcgggtctg tcatcatgtc gcgttacggg cggtagcgag 120
gagaaaccaa ggtgtatgtt ggtaacctgg gaactggcgc tggcaaagga gagttagaaa 180
gggctttcag ttattatggt cctttaagaa ctgtatggat tgcgagaaat cctccaggat 240
ttgcctttgt ggaattcgaa gatcctagag atgcagaaga tgcagtacga ggactggatg 300
gaaagggtgat ttgtggctcc cgagtggagg ttgaaactat gacagggcat cctcggagat 360
cacgttttga tagaccacct gcccgacgtc cctttgatcc aaatgataga tgctatgagt 420

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gtggcgaaaa gggacattat gcttatgatt gtcacgtta cagccggcga agaagaagca 480
 ggtcacggtc tagatcacat tctcgatcca gaggaaggcg atac 524

<210> 313
 <211> 523
 <212> DNA
 <213> Homo sapiens

<400> 313
 gaattcggca cgaggggtaa caccagaata tttggcaaag ggagaaaaaa aaagcagcga 60
 ggcttcgcct tccccctctc cctttttttt tctcctctct ccttcctcct ccagccgcg 120
 ccgaatcatg togatgagtc caaagcacac gactccgttc tcagtgtctg acatcttgag 180
 tccccctggag gaaagctaca agaaagtggg catggagggc ggccggcctcg gggctccgct 240
 ggccggcgtag aggcagggcc aggcggcacc gccaacagcg gccatgcagc agcacgccgt 300
 ggggcaccac ggcgcgcgtca ccgcgcgccta ccacatgacg gcggcggggg tgccccagct 360
 ctgcgactcc gccgtggggg gctactgcaa cggcaacctg ggcaacatga gcgagctgcc 420
 gccgtaccag gacacatga ggaacagcgc ctctggcccc ggatggtacg gcgccaaacc 480
 agaccgcgcg tttccccgca gttctttttt ttcaggatca ggc 523

<210> 314
 <211> 525
 <212> DNA
 <213> Homo sapiens

<400> 314
 gaattcggca cgaggggaaaa ccagagatag agggaaagcc agagagtga ggagagccag 60
 ggagtgaac aagggtgca ggaaagcgcc cagctgagga tgatgtaccc aggaaagcca 120
 aaagaaaaac taataagggg ctggctcatt acctcaagga gtataaagag gccatacatg 180
 atatgaattt cagcaatgag gacatgataa gagaatttga caatatggct aaggtgcagg 240
 atgagaagag aaaaagcaaa cagaaattgg gggcgttttt gtggatgcaa agaaatttac 300
 aggacccctt ctaccctaga ggtccaaggg aattcagggg tggctgcagg gccccacgaa 360
 gggacattga agacattcct tatgtgtagt gtccctggca ggcatttacc aggccatgtg 420
 ctttaacggt cggtaatact ttacttttag catccctcct gttgctagca gccttttgac 480
 ctatctgcaa tgcagtgttc tcagtaggaa atgttcattt gttac 525

<210> 315
 <211> 358
 <212> DNA
 <213> Homo sapiens

<400> 315
 gaattcggca cgaggggggtg gtggagcgct gggcgccag gctccctggc tggccggttt 60
 gggcgctctg gccgtgaagg tgggacctcc tgttccgggc cgcaagtttc cctctccagc 120
 cgcccgccgt tcgtagcatg tccccagaa ctccgggagc gcaggcagga caggcttaga 180
 gaagacgcgg tccccagcgc ttggggccac gacgtcccac cccgctcctc tgtcgtgga 240
 gaaccgcgg gccgagccac tgggagaagc aggcagagc cttccagggc ctccggcccc 300
 tggaccgcag gaggatgagc tggctttttt ccctgaccaa gagcgcctcc tctccgc 358

<210> 316
 <211> 420
 <212> DNA
 <213> Homo sapiens

<400> 316

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gaattcggca cgaggcggtc cttegacacac tgtgattttg ccttcctgcc cagcgagacc 60
tgcagcgggc aaagagctcc cgaggaagca cagcttgggt caggttcttg cctttcttaa 120
ttttagggaac agctaccgga aggaggggaa caaggagttc tcttcgcgag cccctttccc 180
cacgcccacc cccagttctc agggaccctt gcctgcctcc taggctggaa gccatggtcc 240
cgaagtgtag ggcaagggtg cctcaggacc ttttgggtct cagcctccct cagccccag 300
gatctgggtt aggtggccgt cctcctgctc ctcatgggaa gatgtctcag agccttcag 360
acctcccctc cccaacccaa tgccaaagtg gacttgggag ctgcacaaag tcagcaggga 420

```

```

<210> 317
<211> 518
<212> DNA
<213> Homo sapiens

```

```

<400> 317
gaattcggca cgagggtctg cggagggtcg ttttaaaggg cccgcgcgtt gccgccccct 60
cggcccgcga tgctgctatc cgtgcgcgtg ctgctcggcc tctcggcct gccgctcgcc 120
gagcctgccc tctacttcaa ggagcagttt ctggacggag acgggtggac ttcccgtgg 180
atcgaatcca aacacaagtc agattttggc aaattcggtc tcagttccgg caagttctac 240
ggtgacgagg agaaagataa aggtttgcag acaagccagg atgcacgctt ttatgctctg 300
tcggccagtt tcgagccttt cagcaacaaa ggccagacgc tgggtggtgca gttcacggtg 360
aaacatgagc agaacatcga ctgtgggggc ggctatgtga agctgtttcc taatagtgtg 420
gaccagacag acatgcacgg agactcagaa tacaacatca tgtttggtcc cgacatctgt 480
ggcctgcacc aaaaagggtc atgtcatctt caactaca 518

```

```

<210> 318
<211> 401
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(401)
<223> n = A,T,C or G

```

```

<400> 318
aacaccaagg tggacaagag agttgagtc aaatatggtc ccccatgccc atcatgccca 60
gcacctgagt tcttgggggg accatcagtc ttctgttccc ccccaaaacc caaggacact 120
ctcatgatct cccggacccc tgaggtcacg tgcgtgggtg tggacgtgag ccagggaagac 180
cccaggttcc agttcaactg gtacgtggat ggctgggagg tgcataatgc caagacaaag 240
ccgcgggagg agcagttcaa cagcacgtac cgtgtggtca gcgtcctcac cgtcctgcac 300
caggactggc tgaacggcaa ggagtacaag tgcaaggctt ccaacaaagg cctcccgtcc 360
tccatcgaga aaacctntn caaagccaaa gggcagcccc g 401

```

```

<210> 319
<211> 401
<212> DNA
<213> Homo sapiens

```

```

<400> 319
accgtgtact attagccatg gtcaacccca ccgtgttctt cgacattgcc gtcgacggcg 60
agcccttggg ccgcgtctcc tttgagctgt ttgcagacaa ggtcccaaag acagcagaaa 120
attttcgtgc tctgagcact ggagagaaa gatttgggta taagggttcc tgctttcaca 180
gaattattcc agggtttatg tgtcagggtg gtgacttcac acgccataat ggactggtg 240

```

```

gcaagtccat ctatggggag aaatttgaag atgagaactt catcctaaag catacgggtc 300
ctgcatcttg tccatggcaa atgctggacc caacacaaat ggttcccagt ttttcatctg 360
cactgccaaag actgagtggg tggatggcaa gcatgtggtg t 401

```

```

<210> 320
<211> 471
<212> DNA
<213> Homo sapiens

```

```

<400> 320
tagagtccca caaacccttg gcatgcctta atgtttgaga attccattct atttctcatt 60
aatctcttga aagcaaagat attttataaa tcttttttga ccagtgtttt agatggtagt 120
ggctgtggca gtgactttta attagccatc ctgaacccat catttaaaat atttattttt 180
gctttcagaa attttgaaat aagtaaggga aaaaaccaa ttatttacag atacacataa 240
ccaacccaaa ataaaagcaa aatactaaat taggcacaca gaaagactaa aagtaaattc 300
actaggaaag acactcctca aagatagaat gtaaattttg tgaatccaga gtgctcaaac 360
cagaataacg cttgtcctta taccctaaag gacttgccaa gaaagataaa aagtatttta 420
ttatcccaga aagaatgcaa gggctctcat ttcagttggc ttataacacc a 471

```

```

<210> 321
<211> 471
<212> DNA
<213> Homo sapiens

```

```

<400> 321
attactcaac agatttggac acaacggaaa gacaacagtt gatatttcta cttgggtgtga 60
gcagtttgca actttttgtt cagagcaact ggacggggcc ccctgttgac ttacaccctc 120
aggacttttt gtcactgtgt ttgttccagc aattcagtga gggttaaagga ctggatgcat 180
ttgttctgag cctgctcact ctagatgggt aatcaatcta cagcctgacc tcgaagccta 240
tactactgtt attagcacgc attatcctag tgaatgtaag acataaactg acagctattc 300
agagcttgcc atgggtggact ttgagatgtg tgaatattca tcagcatttg cttgaggaac 360
gtcacctct gctttttact cttgccgaaa actgtattga tcaagtgatg aaactacaga 420
atctgtttgt agatgattca ggtcgatatt tggctattca attccatctg g 471

```

```

<210> 322
<211> 601
<212> DNA
<213> Homo sapiens

```

```

<400> 322
tgaaggagca gttgccgcgc ttggcggcgg cccgagcagt tttcgctgct gctacggctg 60
ttgcatgag gcgaggctag ggaggacctc acttcccggg ggtgtaataa tgttaactga 120
ggccagtcta tccatatggg gatggggaag ccttggcatt gtcccttttc tgataacctt 180
tggacccttt gtaatatatt atttgacatt ttatatcctc tgctttgttg gtgggggttt 240
agtggttact ctctgtttg gaaaaacaaa ctacagagaag taactagaac agtgtgaaca 300
ctcatttctt cctccaacat cacctggggg tcttaagtgc ttagaagaaa tgaaacggga 360
agccaggact attaagattg atagaagatt gacgggtgcc aatataattg atgaacctct 420
ccagcaagtt atccagtttt ccttgaggga ttatgtccag tattggtatt atacactaag 480
cgatgatgaa tcttttcttc ttgaaattag gcgaactott caaaacgcac tcattcagtt 540
tgctactagg tcaaaaagaaa tagactggca acctattttt actacacgca ttgtagatga 600
c 601

```

```

<210> 323
<211> 601

```

<212> DNA
 <213> Homo sapiens

<400> 323
 gatgaggtag cagaggetca acgggcagag tttagccctg cccagttctc tggctctaag 60
 aagatcaacc tgaaccaatt gttgaatttc acttttgaac cccgtggcca gacgggtcac 120
 tttgaaggca gtggacatgg tagctgggga aagaggaaaca agtggggaca taagcctttt 180
 aacaaggaaac tcttttttaca ggccaactgc caatttgggg tgtctgaaga ccaagactac 240
 acagctcatt ttgctgatcc tgatacatta gttaactggg actttgtgga acaagtgcgc 300
 atttgtagcc atgaagtgcc atcttgccca atatgcctct atccacctac tgcagccaag 360
 ataaccogtt gtggacacat cttctgctgg gcatgcaccc tgcactatct ttcactgagt 420
 gagaagacgt ggagtaaagt tcccatctgt tacagttctg tgcataagaa ggatctcaag 480
 agtggtgttg ccacagagtc acatcagtat gttgttgggt ataccattac gatgcagctg 540
 atgaagaagg agaaaggggg ggtggtggct ttgcccaaat ccaaattggat gaatgtagac 600
 c 601

<210> 324
 <211> 461
 <212> DNA
 <213> Homo sapiens

<400> 324
 catcttcttc ctttcgcggg gtccctccgta gttctggcac gagccaggcg tactgacagg 60
 tggaccagcg gactggtgga gatggcgacg ctctctctga ccgtgaattc aggagaccct 120
 ccgctaggag ctttgctggc agtagaacac gtgaaagacg atgtcagcat ttccggttgaa 180
 gaagggaag agaatattct tcatgtttct gaaaatgtga tattcacaga tgtgaattct 240
 atacttcgct acttggttag agttgcaact acagctgggt tatatggctc taatctgatg 300
 gaacatactg agattgatca cttggttggg gttcagtgct acaaaattat cttcatgtga 360
 ttcctttact tctacaatta atgaactcaa tcattgcctg tctctgagaa catacttagt 420
 tggaaactcc ttgagttag cagatttatg tgtttggggc a 461

<210> 325
 <211> 461
 <212> DNA
 <213> Homo sapiens

<400> 325
 tcacttttga accccgtggc cagacgggtc actttgaagg cagtggacat ggtagctggg 60
 gaaagaggaa caagtgggga cataagcctt ttaacaagga actcttttta caggccaact 120
 gccaatgtgt ggtgtctgaa gaccaagact acacagotca ttttgotgat cctgatacat 180
 tagttaactg ggactttgtg gaacaagtgc gcatttgtag ccatgaagtg ccatcttgcc 240
 caatatgcct ctatccacct actgcagcca agataaccog ttgtggacac atcttctgct 300
 gggcatgcat cctgcactat ctttcaactga gtgagaagac gtggagttaa tgtcccatct 360
 gttacagttc tgtgcataag aaggatctca agagtgttgt tgccacagag tcacatcagt 420
 atgttgttgg tgataccatt acgatgcagc tgatgaagaa g 461

<210> 326
 <211> 451
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(451)

<223> n = A,T,C or G

<400> 326

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ctgtggaggc cagttctgga gctattgcag cctcggttgc ccggccgggg acccgagccg 60
aaaagttatc gtcagaatgt cgggcaaaga ccgaattgaa atctttccct cgcgaaatggc 120
acagaccatc atgaangctc gtttaaaggg agcacagaca ggtcgaaacc tcctgaagaa 180
aaaatctgat gccttaactc ttcgatttcg acagatccta aagaagataa tagagactaa 240
aatgttgatg ggcgaagtga tgagagaagc tgccttttca ctagctgaag ccaagttcac 300
agcaggtgac ttcagcacta cagttatcca aaatgtcaat aaagcgcaag tgaagattcg 360
agcgaagaaa gataatgtag caggtgttac tttgccagta tttgaacatt accatgaagg 420
aactgacagt tatgaactga ctggttttagc c 451
```

<210> 327

<211> 601

<212> DNA

<213> Homo sapiens

<400> 327

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gaggggaggc cagcgaagcc gagtaaaacc gccgcccggg agaagactga aggagcagtt 60
gccgccgttg gccggcgccc gagcagtttt cgctgctgct acggctgttg ccatgaggcg 120
aggctaggga ggacctcact tccccggggg gtaataatgt taactgaggc cagtctatcc 180
atatggggat ggggaagcct tggcattgtc ctttttctga taaccttttg accctttgta 240
atattttatt tgacatttta tatectctgc tttgtgggtg ggggttttagt ggttactctc 300
ctgttttgaa aaacaaactc agagaagtac ctagaacagt gtgaacactc atttcttcc 360
ccaacatcac ctgggggttc taagtgccta gaagaaatga aacgggaagc caggactatt 420
aagattgata gaagattgac gggtgccaat ataattgatg aacctctcca gcaagttatc 480
cagttttcct tgagggatta tgtccagtat tggattata cactaagcga tgatgaatct 540
tttcttcttg aaattaggca gactcttcaa aacgcactca ttcagtttgc tactaggtca 600
a 601
```

<210> 328

<211> 601

<212> DNA

<213> Homo sapiens

<400> 328

```
ccggaatgat caccaagaca cacaaagtag accttgggct cccagagaag aaaaagaaga 60
agaaagtggg caaagaacca gagactcgat actcagtttt aaacaatgat gattactttg 120
ctgatgtttc tcctttaaga gctacatccc cctctaagag tgtggcccat gggcaggcac 180
ctgagatgcc tctagtgaag aaaaagaaga agaaaaagaa ggggtgtcagc accctttgcg 240
aggagcatgt agaacctgag accacgctgc ctgctagacg gacagagaag tcacccagcc 300
tcaggaagca ggtgtttggc cacttggagt tcctcagtg ggaagaaaga aataagaagt 360
cacctctagc catgtcccat gcctctgggg tgaaaacctc cccagaccct agacagggtg 420
aggaggaaac cagagttggc aagaagctca aaaaacacaa gaaggaaaaa aagggggccc 480
aggaccccac agccttctcg gtccaggacc cttggttctg tgaggccagg gaggccaggg 540
atgttgggga cacttgctca gtggggaaga aggatgagga acaggcagcc ttggggcaga 600
a 601
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<210> 329

<211> 501

<212> DNA

<213> Homo sapiens

<400> 329


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agcagctttc gctccaagct gcatcttgta gacctcgctg gatcagaaag acagaagaaa 60
accaaggctg aaggggatcg tctaaaagag ggtattaata ttaaccgagg cctcctatgc 120
ttgggaaatg taatcagtcg tcttgagat gacaaaaagg gtggctttgt gccctacaga 180
gattccaagt tgactcgact gcttcaagat tctctaggag gtaatagcca tactcttatg 240
atagcctgtg tgagtcctgc tgactccaat cttagaggaa cattaaatac ccttcgctat 300
gctgacagag caagaaaaat caagaacaaa cctattgtta atattgatcc ccagacagct 360
gaacttaatc atctaaagca acaggtacaa cagctacaag tcttggtgct acaggcccat 420
ggaggtaccc tgccctggatc tataactgtg gaaccatcag agaatctaca atccctgatg 480
gagaagaatc agtccctggt a 501

```

```

<210> 330
<211> 451
<212> DNA
<213> Homo sapiens

```

```

<400> 330
cgcgaggcgc gcgccatgga acagcgggta gctgagtttc gggcgggcgc gaaacgggcg 60
ggtctggcgcg cccaaccccc tgctgccagt caggggcgac aaaccccagg agagaaggcg 120
gaagcagcag cgactctaaa ggcagcccca ggctggctaa agcgggttct ggtatggaaa 180
cctaggcccg cgagtgcctg ggcagccccc ggcctagtct aggaagcggc tcagcccccag 240
ggcagcacat cagagacacc atggaacaca gccattcctc tgccgtcgtg ctgggaccag 300
tctttcctga ccaatatcac cttcttgaa gttcttctct ggttggtcct gctgggactg 360
tttgtggaac tggaatttgg cctgcataat ttgtcctgtc cttgttctat tggatgtacg 420
tcgggacacg aggccttgaa gagaagaaa a 451

```

```

<210> 331
<211> 331
<212> DNA
<213> Homo sapiens

```

```

<400> 331
cgtttggtcct gtgcgggtcac ttagccaaga tgcttgagga aacccagacc caagaccaac 60
cgatggagga ggaggagggt gagacgttcg ctttcaggc agaaattgcc cagttgatgt 120
cattgatcat caatactttc tactcgaaca aagagatctt tctgagagag ctcatctcaa 180
attcatcaga tgcatctggac aaaatcccgt atgaaagctt ggacagaatc caataaatta 240
aaacttcttg ggaaaagaag cttgcattat taacccttta taccgaacca aaccaaagaa 300
tcgaaactt cttcacttat ttggtgggga a 331

```

```

<210> 332
<211> 401
<212> DNA
<213> Homo sapiens

```

```

<400> 332
tccttcttga tcctgaactg ggttaggtgc cgctgttgct gctcgtgttg aatctagaac 60
cgtagccaga catgggactg gaggacgagc aaaagatgct taccgaatcc ggagatcctg 120
aggaggagga agaggaagag gaggaattag tggatcccct aacaacagtg agagagcaat 180
gcgagcagtt ggagaaatgt gtaaaggccc gggagcggct agagctctgt gatgagcgtg 240
tatcctctcg atcacatata gaagaggatt gcacggagga gctctttgac ttcttgcatg 300
cgagggacca ttgctgtggc cacaactct ttaacaactt gaaataaatg tgtggactta 360
attcacccca gtcttcatca tctgggcac c agaataattt c 401

```

```

<210> 333
<211> 331

```

<212> DNA

<213> Homo sapiens

<400> 333

gatccctgca	gaggcctcat	cccccgacag	cgagccagtc	ctagagaagg	atgacctcat	60
ggacatggat	gcctctcagc	agaattttatt	tgacaacaag	tttgatgaca	tctttggcag	120
ttcattcagc	agtgatecct	tcaattttcaa	cagtcaaaat	ggtgtgaaca	aggatgagaa	180
ggaccactta	attgagcgcg	tatacagaga	gatcagtga	ttgaaggcac	agctagaaaa	240
catgaagact	gagagccagc	gggttgtgct	gcagctgaag	ggccacgtca	gcgagctgga	300
agcagatctg	gccgagcagc	agcacctgcg	g			331

<210> 334

<211> 551

<212> DNA

<213> Homo sapiens

<400> 334

agcgggactg	gctgggtcgg	ctgggctgct	ggtgcgagga	gccgcggggc	tgtgctcggc	60
ggccaagggg	acagcgcgtg	ggtggccgag	gatgctgcgg	ggcggtagct	ccggcgcccc	120
tagctggtga	ctgctgcgcc	gtgcctcaca	cagccgaggc	gggctcggcg	cacagtcgct	180
gctccgcgcg	cgcgcccgcc	ggcgcctccg	gtgctgacag	cgcgagagag	cgcgccctc	240
aggagcaagg	cgaatgtatg	acaacatgtc	cacaatggtg	tacataaagg	aagacaagtt	300
ggagaagctt	acacaggatg	aaattatttc	taagacaaag	caagtaattc	aggggctgga	360
agctttgaag	aatgagcaca	attccatttt	acaaagtgtg	ctggagacac	tgaagtgttt	420
gaagaaaagat	gatgaaagta	atttggtgga	ggagaaatca	aacatgatcc	cggaagtcac	480
tggagatgtt	ggagctcggc	ctgagtggag	cacaggttat	gatggctttg	tcaaatcacc	540
tgaatgcttg	t					551

<210> 335

<211> 501

<212> DNA

<213> Homo sapiens

<400> 335

caggcgcccg	agcgggactg	gctgggtcgg	ctgggctgct	ggtgcgagga	gccgcggggc	60
tgtgctcggc	ggccaagggg	acagcgcgtg	ggtggccgag	gatgctgcgg	ggcggtagct	120
ccggcgcccc	tagctggtga	ctgctgcgcc	gtgcctcaca	cagccgaggc	gggctcggcg	180
cacagtcgct	gctccgcgcg	cgcgcccgcc	ggcgcctccg	gtgctgacag	cgcgagagag	240
cgcggccctc	aggagcaagg	cgaatgtatg	acaacatgtc	cacaatggtg	tacataaagg	300
aagacaagtt	ggagaagctt	acacaggatg	aaattatttc	taagacaaag	caagtaattc	360
aggggctgga	agctttgaag	aatgagcaca	attccatttt	acaaagtgtg	ctggagacac	420
tgaagtgttt	gaagaaaagat	gatgaaagta	atttggtgga	ggagaaatca	aacatgatcc	480
ggaagtcaact	ggagatgttg	g				501

<210> 336

<211> 521

<212> DNA

<213> Homo sapiens

<400> 336

cctcggcgcc	ggcggcggtg	cttacagcct	gagaagagcg	tctcggcccg	gagcggcgcc	60
ggccatcgag	acccacccaa	ggcgcgtccc	cctcggcctc	ccagcgtccc	caagccgcag	120
cggccgcgcc	ccttcagcta	gctcgcctgc	tcgctctgct	tcctgctgc	cggctgcgcc	180
atggcggttg	cgttggcgcc	gctggcgccg	gtcagagccg	cctgcggcag	ccggtaccag	240

cagttgcaga	atgaagaaga	gtctggagaa	cctgaacagg	ctgcaggtga	tgctcctcca	300
ccttacagca	gcatttctgc	agagagcgca	gcataatttg	actacaagga	tgagtctggg	360
tttccaaagc	ccccatctta	caatgtagct	acaacactgc	ccagttatga	tgaagcggag	420
aggaccaagg	ctgaagctac	tatccctttg	gttcctggga	gagatgagga	ttttgtgggt	480
cgggatgatt	ttgatgatgc	tgaccagctg	aggataggaa	a		521

<210> 337

<211> 521

<212> DNA

<213> Homo sapiens

<400> 337

aaaggaggaa	aatacacgga	agagaattgc	tgctcctggct	gagtcacagag	agataactga	60
gggtcccaga	caaggatcaa	gagaacggga	ttggcctcca	gaggcagagg	ttccaaatgg	120
gagtgggctt	cctcctagaa	agactttctg	gaggagaccc	ccctactgtg	taacagagga	180
ggactttggg	attaagaaaa	gcattccagg	aagccgacag	tgtcagcaaa	cgtggagggtg	240
agatccttca	aagtgagtg	tgtggagggt	tccagaattt	tctgagcctg	aagggaaggt	300
tggagagcag	accctgccct	ttggaggctt	gacttagccc	tgagggcacc	ctgtagccag	360
ggtgggcaga	tgccaatatg	gtagagacga	agactgagta	gggagccagc	cacagtgcct	420
gtggtctcag	gcagggagtg	aagaccagag	tggagcaggc	tagaaacctg	ggaaggaagc	480
aggttcccca	gtataagccc	atgatgtgtg	aagaatgagc	c		521

<210> 338

<211> 581

<212> DNA

<213> Homo sapiens

<400> 338

atactgcttg	cttggagatg	tctcgggaga	ccattcttgc	tatgacaagg	cctgggagtt	60
gtcccggtag	cgcagtgtct	gtgctcagcg	ctccaaagcc	ctccttcctc	ttcggaacaa	120
ggagtttcaa	gagtgtgtag	agtgtcttga	acgctcgggt	aagattaatc	ccatgcagct	180
cggggtgtgg	ttttctctcg	gttgtgccta	tttggccttg	gaagactatc	aaggttcagc	240
aaaggcattt	cagcgctgtg	tgactctaga	acccgataat	gctgaagctt	ggaacaattt	300
gtcaacttcc	tataatccgat	taaaacaaaa	agtaaaagct	tttagaactt	tacaagaagc	360
tctcaagtgt	aactatgaac	actggcagat	ttgggaaaac	tacatcctca	ccagcactga	420
cgttggggaa	ttttcagaag	ccattaaagc	ttatcaccgg	ctcttggact	tacgtgacaa	480
atacaaagat	gttcagggtcc	ttaaaattct	agtcagggca	gtgattgatg	ggatgactga	540
tcgaagtggg	gatgttgcaa	ctggcctcaa	aggaaagctg	c		581

<210> 339

<211> 581

<212> DNA

<213> Homo sapiens

<400> 339

aagaagaaga	agctcgcggt	cgtgaagaag	cagagagggt	ccggcaggaa	cgagagaagc	60
atttccagag	agaagagcaa	gagcgcctgg	agagaaagaa	gcgacttgag	gagattatga	120
aaagaaccag	gagaacagaa	gctacagata	agaaaaccag	tgatcagaga	aacgggtgata	180
tagccaaggg	agctctcact	ggaggaacag	agggtgtctg	acttccatgt	acaacaaacg	240
ctccgggaaa	tggaaagcca	gttggcagcc	cacatgtggt	tacctcacac	cagtcaaaaag	300
aaaaaaaaaa	gcgtgatgga	atagctattg	gacaggtta	caaaaaacaa	tttttaaaaa	360
taagctaaca	tctaagaaac	atcattttgc	ctatactgcc	tccccaaaaa	tcctgttttt	420
actcagtga	cacctaaagc	cactcagaaa	tgttctggat	tgctattttc	tccatccttt	480
agcaccttct	tattttgggg	ggagctctga	agccttgcaa	gaagtgggag	agaaaaggac	540

cagggtgtgac agaagggacg atttaagtta ttacaataaa c

581

<210> 340

<211> 571

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(571)

<223> n = A,T,C or G

<400> 340

```
ggtggcaaat tcaagtcctg ttaaccccggt ggtgttcttt gatgtcagta ttggcgggtca 60
ggaagttggc cgcatagaaga tcgagctctt tgcagacgtt gtgcctaaga cggccgagaa 120
ctttaggcag ttctgcaccg gagaattcag gaaagatggg gttccaatag gatacaaagg 180
aagcaccttc cacagggtca taaaggattt catgattcag ggtggagatt ttgttaattgg 240
agatgggtact ggagtcgcca gtatttaccg ggggccattt gcagatgaaa attttaaact 300
tagacactca gctccaggcc tgccttccat ggccaacagt ggtccaagta caaatggctg 360
tcagttcttt atcacctgct ctaagtgcga ttggctggat ggggaagcat tgggtgtttgg 420
aaaaatcctc gatggacttc tagtgatgag aaagattgag aatgttccca caggcccaa 480
caataagccc aagctacctg tgggtgatctc cagtgtgggg agatgtagtc cagacaaaga 540
ctgaatcagt atacttgctc gacttcaagg n 571
```

<210> 341

<211> 581

<212> DNA

<213> Homo sapiens

<400> 341

```
taatgagacc aaagtttgca agggcaggac gagcccgctg taacagagaa agtgtttgttt 60
cctcaatttg gtttttagact gtcttgtcct atgggggaga aaagatctgc ccttgggaga 120
ggtgccaaat ttatagatct attaataaaa gaactggcag gcttacagtt cttgccaatg 180
aggaaacttg aatgagagaa gccaggctca acctgggcca acagactgga gcccatcacc 240
ctaacttcac cccgcttctc cttacccaac cgtcaaaggc taggcagcac ccaccagca 300
gcttccacct ggctgaagcc tgcacctgct tcagaccaag ggtagatgg aaatttggca 360
tggaagagaga gggtcacct gtgggcagga tagactctat ccaagaagga gaactgaaaa 420
atgaaaacct atgagacaag ggggtgatcct gaagcaggca ggagaaaggg ctggaggagg 480
aggcactggg gaatttttcc tgggtgaatac tgaagttact agatgttttg tcttgcaaaa 540
ctcaagggaa aactctcaaa ctctaattgt tggcctattc t 581
```

<210> 342

<211> 451

<212> DNA

<213> Homo sapiens

<400> 342

```
gcagaccaga ctctgctcgt actcgtgcgc ctgcgttcgc ttttcctccg caaccatgct 60
tgacaaaccc gatatggctg agatcgagaa attcgataag tcgaaactga agaagacaga 120
gacgcaagag aaaaatccac tgccttccaa agaaacgatt gaacaggaga agcaagcagg 180
cgaatcgtaa tgaggcgtgc gccgccaaata tgcactgtac attccacaag cattgccttc 240
ttatttttact tcttttagct gtttaacttt gtaagatgca aagaggttgg atcaagttaa 300
aatgactgtg ctgccccttt cacatcaaag aactactgac aacgaagccg cgctgcctt 360
tcccatctgt ctatctatct ggctggcagg gaaggaaaga acttgcatg ttggtgaagg 420
```

aagaagtggg ggggtggaaga aatgggggtg g

451

<210> 343

<211> 601

<212> DNA

<213> Homo sapiens

<400> 343

tgacctcatg	gacatggatg	cctctcagca	gaattttattt	gacaacaagt	ttgatgacat	60
ctttggcagt	tcattcagca	gtgatccctt	caatttcaac	agtcaaaatg	gtgtgaacaa	120
ggatgagaag	gaccacttaa	ttgagcgact	atacagagag	atcagtggat	tgaaggcaca	180
gctagaaaac	atgaagactg	agagccagcg	ggttgtgctg	cagctgaagg	gccacgtcag	240
cgagctggaa	gcagatctgg	ccgagcagca	gcacctgcgg	cagcaggcgg	ccgacgactg	300
tgaattcctg	cgggcagaa	tggacgagct	caggaggcag	cgggaggaca	ccgagaaggc	360
tcagcggagc	ctgtctgaga	tagaaaggaa	agctcaagcc	aatgaacagc	gatatagcaa	420
gctaaaggag	aagtacagcg	agctggttca	gaaccacgct	gacctgctgc	ggaagaatgc	480
agaggtgacc	aaacaggtgt	ccatggccag	acaagcccag	gtagatttgg	aacgagagaa	540
aaaagagctg	gagggattcg	ttggagccgc	tcagtgacct	agggccagcg	ggaagactca	600
a						601

<210> 344

<211> 571

<212> DNA

<213> Homo sapiens

<400> 344

gcgaccggg	gagcgagcac	gtcgtccgc	accgtctctc	ctccagccgc	tgagccgtcc	60
cttctcgcca	tgtccagag	caggcaccgc	gccgaggccc	cgccgctgga	gcgagaggac	120
agtgggacct	tcagtttggg	gaagatgata	acagctaagc	cagggaaaac	accgattcag	180
gtattacacg	aatacggcat	gaagaccaag	aacatcccag	tttatgaatg	tgaagatct	240
gatgtgcaaa	tacacgtgcc	cactttcacc	ttcagagtaa	ccgttggtga	cataacctgc	300
acaggtgaag	gtacaagtaa	gaagctggcg	aaacatagag	ctgcagaggc	tgccataaac	360
attttgaaag	ccaatgcaag	tatttgcttt	gcagttccctg	accccttaat	gcctgaccct	420
tccaagcaac	caaagaacca	gcttaatoct	attggttcct	tacaggaatt	ggctattcat	480
catggctgga	gacttcctga	atataccctt	tccaggaag	gaggacctgc	tcataagaga	540
gaatatacta	caatttgcag	gctagagtca	t			571

<210> 345

<211> 551

<212> DNA

<213> Homo sapiens

<400> 345

gacctggcgc	tttgtgcggc	tccaggcctc	cgagtggact	ccagaaagcc	tgaaaagcta	60
tcattggcagc	aaggcccaag	ctccactatc	ccaacggaag	aggccggatg	gagtcctgta	120
gatgggtttt	agctgccgcc	ggagtcgagt	ttgatgaaga	atttctggaa	acaaaagaac	180
agttgtacaa	gttgccaggat	ggtaaccacc	tgctgttcca	acaagtgcc	atggttgaaa	240
ttgacgggat	gaagttggta	cagacccgaa	gcattctcca	ctacatagca	gacaagcaca	300
atctcttttg	caagaacctc	aaggagagaa	ccctgtactg	tggccccctc	cgagtgttgt	360
cacttgtcag	cttactgatg	ccttagctga	ttagcaacct	ctgtagcaca	ccacatttac	420
tttatgtctt	acatagttag	tgagatcagg	gaacaaaaac	ccaagaaggt	cacgaagacc	480
agttggaact	tcagtagaga	gagtcctgagt	aaaacaaaag	aatagggatt	cagatattga	540
atactatatc	t					551

<210> 346
 <211> 501
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(501)
 <223> n = A,T,C or G

<400> 346
 tatgggaaac tgctctttat ttagaccttt gggacaaaat taactttggt cacatattac 60
 ttaaaaaaaa atccagtttt acatatttct aaatagatag aactaaatga tcagagaatt 120
 tcttctgtaa aaattggcca aattttatca aaaatctaac atacgataca atccaaatta 180
 taaaaagact acttgggac ataatatctc aaatgtatga cagttataac tccatcttaa 240
 caagngtgaa aagtacttgc tctcatgttg ctttgggtcca aaagagtaga gctaactcag 300
 taacaggcaa ctaagtaccc aatcttttgc caaaattaat ttanattgtg actggcagca 360
 gaaatatcca taatgaacag ctctactata acaaagaata attaaagaat acttttcgtg 420
 aacatatcac agtatcaaat acatttttat aagagaaaaa tatgaaggaa atgataaaat 480
 agctatcaca aacaaaaaga a 501

<210> 347
 <211> 621
 <212> DNA
 <213> Homo sapiens

<400> 347
 gcccgggaga agactgaagg agcagttgcc gccgttggcg gccggcccgag cagtttttcgc 60
 tgctgctacg gctgttgcca tgaggcgagg ctagggagga cctcacttcc ccgggggtgta 120
 ataattgtaa ctgaggccag tctatccata tggggatggg gaagccttgg cattgtcctt 180
 tttctgataa cctttggacc ctttgtaata ttttatttga cattttatat cctctgcttt 240
 gtgggtgggg gtttagtggt tactctcctg tttggaaaaa caaactcaga gaagtaccta 300
 gaacagtgtg aacactcatt tcttcttcca acatcacctg gggttcctaa gtgcttagaa 360
 gaaatgaaa gggagccag gactattaag attgatagaa gattgacggg tgccaatata 420
 attgatgaac ctctccagca agttatccag ttttccttga gggattatgt ccagtattgg 480
 tattatacac taagcgatga tgaatctttt cttcttgaaa ttaggcagac tcttcaaaac 540
 gcactcattc agtttgctac taggtcaaaa gaaatagact ggcaacctta ttttactacc 600
 cgcattgtag atgactttgg c 621

<210> 348
 <211> 511
 <212> DNA
 <213> Homo sapiens

<400> 348
 cggcgggcgg cggcgggcga tggcgggcgg ggaggccggg ggcgacgacg cccgctgcgt 60
 gcggtctgag gccgagcggg cacaggcgct gctggccgac gtggacacgc tgctgttcga 120
 ctgcgacggc gtgctgtggc gcggggagac cgccgtgcct ggcgcgcccg aggccttgcg 180
 ggcgctgcga gcccgggcga agcgccctgg cttcatcacc aacaacagca gcaagaccgg 240
 cgctgcctac gccgagaagc tgcggcgccct gggttcggc ggcccccgcg ggccccggcg 300
 cagcctggag gtcttggcga cggcctactg caccgcgctc tacctgcgcc agcgcttggc 360
 cggcgccccc gcgcccagg cctacgtgct gggcagccca gccctggccg cggagctgga 420
 gccgtggggc togccagcgt gggcggtggg cccgaccact gcaggcgag ggtcccgggc 480
 actggctgca cgcgcgttgg agccgactgc g 511

<210> 349
 <211> 521
 <212> DNA
 <213> Homo sapiens

<400> 349
 gctcaggcgc ctgcggctgg gtgagcgcac gcgaggcggc gaggcggcag cgtgttttcta 60
 ggtcgtggcg tcgggcttcc ggagcttttg cggcagctag gggaggatgg cggagtcttc 120
 ggataagctc tatcgagtcg agtacgccaa gaggcggcgc gcctcttgca agaaatgcag 180
 cgagagcatc cccaaggact cgctccggat ggccatcatg gtgcagtcgc ccatgtttga 240
 tggaaaagtc ccacactggg accacttctc ctgcttctgg aagggtgggc actccatccg 300
 gcaccctgac gttgaggtgg atgggttctc tgagcttcgg tgggatgacc agcagaaagt 360
 caagaagaca gcggaagctg gaggagtgc aggcaaaggc caggatggaa ttggtagcaa 420
 ggagagaag actctgggtg actttgcagc agagtatgcc aagtccaaca gaagtacgtg 480
 caagggggtg tatggagaag aatagaaaaa gggccagggtg c 521

<210> 350
 <211> 451
 <212> DNA
 <213> Homo sapiens

<400> 350
 gccggcgggc ggcgatggcg gcggcgaggc ccggtggcga cgacgccgcg tgcgtgcggc 60
 tgagcgccga gcgggcacag gcgctgctgg ccgaactgga cagctgctg ttcgactgcg 120
 acggcgtgct gtggcgccgg gagaccgcg tcgctggcgc gcccgaggcc ctgcgggcgc 180
 tgcgagcccg cggcaagcgc ctgggcttca tcaccaacaa cagcagcaag acccgcgctg 240
 cctacgccga gaagctgcgg cgctgggct tcggcgggcc ccggggggcc ggcgccagcc 300
 tggaggtctt cggcacggcc tactgcacc cgctctacct gcgccagcgc ctggccggcg 360
 ccccgcgcc caaggccctac gtgctgggca gccagccct ggccgaggag ctggagccgt 420
 gggcgctgcc agcgtgggcg tggggcccga c 451

<210> 351
 <211> 581
 <212> DNA
 <213> Homo sapiens

<400> 351
 agagagagag agagagagag agagagagag agagagacct cgtgccgaat tcggcacgag 60
 gcctcgtagc ggaaacttag tgatggacaa gttggtggt tcataaatta tcgagatagc 120
 aagttaacac gaattctcca gaattccttg ggaggaaatg caaagacacg tattatctgc 180
 acaattactc cagtatcttt tgatgaaaca ctactgctc tccagtttgc cagtactgct 240
 aaatatatga agaatactcc ttatgttaat gaggtatcaa ctgatgaagc tctcctgaaa 300
 aggtatagaa aagaaataat ggatcttaaa aaacaattag aggaggtttc tttagagacg 360
 cgggctcagg caatggaaaa agaccaattg gccactttt ggaagaaaaa gatttgcttc 420
 agaaagtaca gaatgagaaa attgaaaact taacacggat gctggtgacc tcttcttccc 480
 tcacgttgca ccaggaatta aaggctaaaa gaaaacgaag agttacttgg tgccttgcaa 540
 aattaccaa tgaagaactc aacttttcag atcattttat t 581

<210> 352
 <211> 461
 <212> DNA
 <213> Homo sapiens

<400> 352

```

aaaggcgatg aggtggatgg agtggatgaa gtggcgaaga agaaatctaa aaaagaaaaa 60
gacaaggata gtaagcttga aaaagcccta aaggctcaga acgacctgat ctggaacatc 120
aaggacgagc taaagaaagt gtgttcaact aatgacctga aggagctact catcttcaac 180
aagcagcaag tgccttctgg ggagtcggcg atcttggacc gagtagctga tggcatggtg 240
ttcgggtgcc tccttccttg cgaggaatgc tcgggtcagc tggctcttcaa gagcgatgcc 300
tattactgca ctggggacgt cactgcctgg accaagtgtg tggccaagac acagacaccc 360
aaccggaagg agtgggtaac cccaaaggaa ttccgagaaa tctcttacct caagaaattg 420
aaggttaaaa agcaggaccg tatattcccc ccagaaccag c 461

```

<210> 353

<211> 491

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(491)

<223> n = A,T,C or G

<400> 353

```

atggcggcgg cgagggccgg tggcgacgac gcccgctgcg tgcggctgag cgccgagcgg 60
gcacaggcgc tgctggccga cgtggacacg ctgctgttcg actgcgacgg cgtgctgtgg 120
cgcggggaga ccgccgtgcc tggcgcgccc gaggcctgc gggcgctgcg agcccgcgcc 180
aagcgcttgg gcttcacac caacaacagc agcaagacc gcgctgccta cgccgagaag 240
ctgcggcgcc tgggcttcgg cgcccccgcg gggcccgcg ccagcctgga ggtcttcggc 300
acggcctact gcaccgcgct ctacctgcgc cagcgcttgg ccggcgcccc cgcgcccaag 360
gcctacgtgc tgggcaaccc agccctggcc gcgganctgg agccgtgggc gtcgccagcg 420
tgggcgtggg gcccgaccac tgcaagggca gggctccggc gactggctga cgccccgctg 480
gaaccgact g 491

```

<210> 354

<211> 401

<212> DNA

<213> Homo sapiens

<400> 354

```

ggcgtcccg tgtggctgtg ccgttggtcc tgtgcgttca cttagccaag atgcoctgagg 60
aaaccagac ccaagaccaa ccgatggagg aggaggagt tgagacgttc gcctttcagg 120
cagaaattgc ccagttgatg tcattgatca tcaatacttt ctactcgaac aaagagatct 180
ttctgagaga gctcatttca aattcatcag atgcattgga caaaatccgg tatgaaagct 240
tgacagatcc cagtaaatta gactctggga aagagctgca tattaacctt ataccgaaca 300
aacaagatcg aactctcact attgtggata ctggaattgg aatgaccaag gctgacttga 360
tcaataacct tggactatc gccaaagtctg ggaccaaaagc g 401

```

<210> 355

<211> 451

<212> DNA

<213> Homo sapiens

<400> 355

```

tcttcagcgc atcagaagta tccagaatgt tcttgaaagc tcaggggctg tggaaactgt 60
tccagcattt caagaaatta cttctatgaa agaacgatgc aacaagcttc ttcagaaagt 120
tcagaaaaat aaagaattgg tgcagactga aatccaagaa agacattcct tcacaaaaga 180

```



```

gataattgct ttgaagaatt tctttcaaca gaccacaact tcattccaaa atatggcatt 240
ccaggatcac ccagaaaagt cagaacaatt tgaggagctt caaagcatcc ttaagaaagg 300
gaaactaact tttgagaata ttatggaaaa actgogaatc aagtattccg aaatgtacac 360
catagtccct gcagagattg aatcccaggt ggaagaatgc agaaaagctt tagaagacat 420
agatgagaag attagccaat gaagtcttaa a                               451

```

<210> 356

<211> 441

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(441)

<223> n = A,T,C or G

<400> 356

```

gtcgcgcac cggcggccca tgaacgcctt catggtgtgg gcaaaggacg agcgcaagcg 60
gctggtcag cagaaccgga acctgcacaa cgcggtgtct agcaagatgc tgggcaaaagc 120
gtggaaggag ctgaacgcgg cggagaagcg gcccttcgtg gaggaagccg aacggctgcg 180
cgtgcagcac ttgcgcgacc accccaacta caagtaccgg ccgcgccgca agaagcaggc 240
gcgcaaggcc cggcggctgg agcccggctc tgcctccggg attagcgccc ccgcagccac 300
cgccgacctt tcccgcggcg tctggtcgn tgcgccttc cgcgagctgc cccgctgggc 360
gccgagttca cggctggggc tgccaccccg agcgtcgctc tgacggctga cccgggagct 420
gcttttcac gccgcgcgc a                               441

```

<210> 357

<211> 451

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(451)

<223> n = A,T,C or G

<400> 357

```

gcggcggcgg aggcgggtgg cgacgacgcc cgctgcgtgc ggctgagcgc cgagcgggca 60
caggcgctgc tggccgacgt ggacacgctg ctgttcgact gcgacggcgt gctgtggcgc 120
ggggagaccg ccgtgccttg cgcgcccgag gccctgcggg cgctgcgagc ccgcggcaag 180
cgctgggct tcatcaccaa caacagcagc aagaccgcgc ctgcctacgc cgagaagctg 240
cggcgcctgg gcttcggcgg ccccgcgggg cccggcgcca gcctggaggt cttcggcacg 300
gcctaactga ccgcgtcta cctgcgcag cgctggccg gcgccccgc gcccaagcct 360
acgtgctggg cagcccagcc ctggccggcg anctggaagc cgtgggcgtc gccagcgtgg 420
gcgtggggcc cgaaccactt gcaggcgag g                               451

```

<210> 358

<211> 571

<212> DNA

<213> Homo sapiens

<400> 358

```

gcggcgatgg cggcggcgga ggccggtggc gacgacgcc gctgcgtgcg gctgagcgcc 60
gagcgggcac aggcgctgct ggccgacgtg gacacgctgc tgttcgactg cgacggcgtg 120

```

```

ctgtggcgcg gggagaccgc cgtgcctggc ggcgccgagg ccctgcgggc gctgcgagcc 180
cgcggaagc gcctgggctt catcaccaac aacagcagca agaccgcgc tgccctacgcc 240
gagaagctgc ggcgcctggg ctccggcggc ccgcgggggc ccggcgccag cctggaggtc 300
ttcggcacgg cctactgcac cgcgctctac ctgcgccagc gcctggccgg cgcccccg 360
cccaagccta cgtgctgggc agcccagccc tggccgcgga gctggaggcc gtgggctgc 420
ccagcgtggg cgtggggccc gaccactgca gggcgagggt ccggcgact ggctgcacgc 480
gcccgtggag ccgacgtgc gcgcggtggg ggtgggcttt gaccgcact tagctacatg 540
aagctcacca agcccttgcc ctacttgaag a 571

```

<210> 359

<211> 511

<212> DNA

<213> Homo sapiens

<400> 359

```

cgctgctgtt atggccgcct ccttgaggta gtatccgcac atggaattct agggccgcag 60
gtgtatttac ggtaactgtc gccactagat ttcagcgcc ttggactctc ctgttttcac 120
tttcttttgt tgactcccggt gtggccctcg tgggagcctg ttttgctgc agcggtgtct 180
ggggtgatgt ggaccccgga gctggcaatt ctgaggggat tccccactga ggctgagcgg 240
cagcaatgga aacaggaggg ggtcgtcggg tcagagagtg gatctttcct acaattgctg 300
ctggaaggga actatgaagc catattctta aattcaatga ctcaaaatat ttttaattca 360
acaacaaccg ctgaagaaaa gattgatagc tacctggaga agcaggtagt aacattcctg 420
gattactcaa cagatttgga cacaacggaa agacaacagt tgatatttct acttggtgtg 480
agcagtttgc aactttttgt tcaaagcaac t 511

```

<210> 360

<211> 481

<212> DNA

<213> Homo sapiens

<400> 360

```

gcgttctcgg ggagctgctg ccgtagctgc cgcgcgcgct accaccgct tcgggtgtag 60
aatttggaa cctgcgcgg cgttaacaat gaagcagagt tcgaacgtgc cggttttct 120
cagcaagctg tggacgcttg tggaggaaac ccacactaac gatttcacat cctggagcca 180
gaatggccaa agttttctgg tcttgatga gcaacgattt gcaaaagaaa ttcttcccaa 240
atatttcaag cacaataata tggcaagctt tgtgaggcaa ctgaatatgt atggtttccg 300
taaagtagta catatcgact ctggaattgt aaagcaagaa agagatgggt ctgtagaatt 360
tcagcatcct tacttcaaac aaggacagga tgacttggtg gagaacatta aaaggaaggt 420
ttcatcttca aaaccagaag aaaataaaat tcgtcaggaa gatttaacaa aaattataag 480
t 481

```

<210> 361

<211> 551

<212> DNA

<213> Homo sapiens

<400> 361

```

cgtagaggaa gacactgtgg aggccagttc tggagctatt gcagcctcgg ttgcccgcc 60
gggagccgaa gccgaaaagt tatcgtcaga atgtcgggca aagaccgaat tgaaatcttt 120
ccctgcgcaa ttgcacagca catcatgaag gctcgtttta agggagcaca gacaggtcga 180
aacctcctga agaaaaaatc tgatgcctta actcttcgat ttcgacagat cctaaagaag 240
ataatagaga ctaaaatggt gatgggcgaa gtgatgagag aagctgcctt ttcactagct 300
gaagccaagt tcacagcagg tgacttcagc actacagtta tccaaaatgt caataaagcg 360
caagtgaaga ttcgagcgaa gaaagataat gtagcaggtg ttactttgcc agtatttgaa 420

```

```

cattaccatg aaggaactga cagttatgaa ctgactgggt tagccagagg tggggaacag 480
ttggctaaat taaagaggaa ttatgcccaa agcagtggaa ctactggtgg aactagcttc 540
tcttgacagac t                                     551

```

```

<210> 362
<211> 481
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(481)
<223> n = A,T,C or G

```

```

<400> 362
gggttacatt ttggattaata cctgtttccc gggttatgtgt agggaacagc aaagngatgc 60
acnaactttg aacattcggt atggggaaaa catccttttaa cttcgggggtc gtctgccaaa 120
gcagggtctg ggagggtcca tgcagttccc gntgggtgtgg agggaaatgc cctgggtctgg 180
cctccgagcc cccagggtcca cctgtctccc tcccctcatt tgtaanaata gctacacact 240
aacatttttg gaaggagagg cacataactt tttttaacat ttggttaacta gggttatgggc 300
tctacattgt cagctacttg ggatataat ttaattttct taaattcccg ttaaactcta 360
ttttatgggt ttgatttcag attgcaaaaca tgtaaaacct gcatagcagc gagttctcgg 420
ttttgcgggt tcttttagttc tttactgtca ctgtcatgta atcagctaata tctcttgtgg 480
a                                     481

```

```

<210> 363
<211> 461
<212> DNA
<213> Homo sapiens

```

```

<400> 363
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accattgcat cattggccgc aactgggtgg tccatgaaaa acagatgact tggggcaagg 420
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<210> 364
<211> 531
<212> DNA
<213> Homo sapiens

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531

<210> 365

<211> 4834

<212> DNA

<213> Homo sapiens

<400> 365

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<210> 366

<211> 818

<212> PRT

<213> Homo sapiens

<400> 366

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Met Cys Cys Pro Ser Arg Ser Ser Met Leu Thr Gly Lys Tyr Val His
                        35                40                45
Asn His Asn Val Tyr Thr Asn Asn Glu Asn Cys Ser Ser Pro Ser Trp
                        50                55                60
Gln Ala Met His Glu Pro Arg Thr Phe Ala Val Tyr Leu Asn Asn Thr
                        65                70                75                80
Gly Tyr Arg Thr Ala Phe Phe Gly Lys Tyr Leu Asn Glu Tyr Asn Gly

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Pro	Val	Met	Met	Val	Ile	Ser	His	Ala	Ala	Pro	His	Gly	Pro	Glu	Asp
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Thr	Pro	Ser	Tyr	Asn	Tyr	Ala	Pro	Asn	Met	Asp	Lys	His	Trp	Ile	Met
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Leu	Asp	Thr	Pro	Pro	Asp	Val	Asp	Gly	Lys	Ser	Val	Leu	Lys	Leu	Leu
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385					390					395					400
Cys	Glu	Gln	Pro	Gly	Gln	Lys	Trp	Gln	Cys	Ile	Glu	Asp	Thr	Ser	Gly
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Lys	Leu	Arg	Ile	His	Lys	Cys	Lys	Gly	Pro	Ser	Asp	Leu	Leu	Thr	Val
			420					425					430		
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465					470					475					480
Lys	Pro	Arg	Phe	Val	His	Thr	Arg	Gln	Thr	Arg	Ser	Leu	Ser	Val	Glu
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Ile	Asp	Lys	Glu	Ile	Glu	Ala	Leu	Gln	Asp	Lys	Ile	Lys	Asn	Leu	Arg
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Lys	Leu	Lys	Ser	His	Leu	His	Pro	Phe	Lys	Glu	Ala	Ala	Gln	Glu	Val
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Phe	Cys	Glu	Phe	Ala	Thr	Gly	Phe	Leu	Glu	Tyr	Phe	Asp	Met	Asn	Thr
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785					790					795					800
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<210> 367

<211> 361

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(361)

<223> n = A,T,C or G

<400> 367

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<210> 368

<211> 558

<212> DNA

<213> Homo sapiens

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<400> 368

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cacatatgat gcccgagg

```

<210> 369

<211> 1021

<212> DNA

<213> Homo sapiens

<400> 369

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<210> 370

<211> 204

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(204)

<223> n = A,T,C or G

<400> 370

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<210> 371

<211> 628

<212> DNA

<213> Homo sapiens

<400> 371

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cttgtaaaaa tgacttggat tgaaaatatg tggtagcctt tttatttcta cattaagtgc 420
tacctaggat atttccaagg actgccacaa aacctatag tgcagtactt tactactttg 480
ggaaagctgc atctttctac cacattttta catctaatat atttaatttc tttgaagagg 540
gttctgtgta cgttattgta gttcccagtt taatatagtt ctttgtatct cttaacaggg 600
tggaagttat tgcaaaacac tctggaaa                                628

```

<210> 372

<211> 473

<212> DNA

<213> Homo sapiens

<400> 372

```

ccagtgtggt ggaattcctg ccgccctgcc gccctgccgc cctgccgccg gtggtcgctg 60
cccgtggtgc tccgtcgccc ccgccacctc agctcctccc gtgcgtcggg agcgtctcgg 120
ctacaacatg ttgggcatga tcaagaactc gctgttcgga agcgtagaga cgtggccttg 180
gcaggtccta agcaaaaggg acaaggaaga agttgcctat gaagaaaggg cctgtgaagg 240
cggcaaattt gccacagtag aagtgcacaga taagcctgtg gatgaggctc tacgggaagc 300
aatgcccaag gtgcgaaagt atgcaggggg caccaatgac aagggaattg ggatggggat 360
gacagtcctt atttcctttg ctgtgttccc caatgaagat ggctctctgc agaagaaatt 420
aaaagtctgg ttccggattc caaaccaatt tcaaaagcgc ccaccagctc cca                                473

```

<210> 373

<211> 283

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(283)

<223> n = A,T,C or G

<400> 373

```

ttaaagtcaa tgccttttat ttttagtttt tctgaagaca aagctcttat aagaatcaca 60
gatgaaagat caggcacaaa tcacattttc ccccttaata acaaaataca aatccaataa 120
ttttagaaaa tcagttttta gtgaccana tgctggaga aaagctgcca ggatttttct 180
ggtctatcgc agaattttct acatcaatga gaaggatgct gcatacttg gctgtattat 240
ttcctaccgn gagaaaagaa acttaataata tggaacatgc ttt 283

```

<210> 374

<211> 529

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(529)

<223> n = A,T,C or G

<400> 374

```

tccagngtgg tggaattccg cgcgcggggc gctgctgctg gcgctgctgc tggctcgggc 60
tggaactcagg aagccggagt cgcaggaggc ggcgccctta tcaggaccat gcggccgacg 120
ggtcatcacg tcgcgcacgc tgggtggaga ggacgccgaa ctcgggcgtt ggccgtggca 180
ggggagcctg cgctgtggg attccacgt atgcggagt agcctgctca gccaccgctg 240
ggcactcacg gcggcgcaact gctttgaaac tgacctagt gatccctccg ggtggatggt 300
ccagtttggc cagctgactt ccatgccatc cttctggagc ctgcaggcct actacaccgc 360
ttacttcgta tcgaatatct atctgagccc tcgtacctg gggaattcac cctatgacat 420
tgccttgggtg aagctgtctg cacctgtcac ctacactaaa cacatccagc ccattctgtct 480
ccaggccttc acatttgagt ttgagaaccg gacagactgc tgggtgact 529

```

<210> 375

<211> 519

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(519)

<223> n = A,T,C or G

<400> 375

```

tttgaattta naccaagaac ttctcaataa aagaaaatca tgaatgctcc acaatttcaa 60
cataccacaa gagaagttaa tttcttaaca ttgtgttcta tgattatttg taagaccttc 120
accaagttct gatattttt aaagacatag ttcaaaattg cttttgaaaa tctgtattct 180
tgaaaatatc cttgttgtgt attaggtttt taaataccag cttaaaggatt acctcactga 240
gtcatcagta cctcctatt cagctcccca agatgatgtg tttttgctta ccctaagaga 300
ggttttcttc ttatttttag ataattcaag tgcttagata aattatgttt tctttaagt 360
tttatggtaa actcttttaa agaaaattta atattttata gctgaatctt ttttgtaact 420
ttaaattctt atcatagact ctgtacatat gttcaaatta gctgcttgcc tgatgtgtgt 480
atcatcgggtg ggatgacaga acaaacatat ttatgatca 519

```

<210> 376

<211> 171

<212> DNA
<213> Homo sapiens

<400> 376
tcaagattta gccaaaggctg tggcaaagggt gtaacttgta aacttgagtt ggagtactat 60
atttacaaat aaaattggca ccatgtgccat tctgtacata ttactgttgc atttactttt 120
aataaaagctt gtggccctt ttactttttt atagcttaaa aaaaaaaaaa a 171

<210> 377
<211> 270
<212> DNA
<213> Homo sapiens

<400> 377
ccagtgtggt ggaattaatc aggcctccca aatttagcag gtgctgggga ggaccctagg 60
gagtggttta tgggggctag ctggtgaaac tgccctttcc tttctgttct atgagtgtga 120
tggtgtttga gaaaatgtgg ggctatggtt caggcgact tcacatgtgc aaagatggag 180
aaagcactca cctacacgtt taggctcaga atattgattg aaacattttg aatgatcaaa 240
aataaaatgt tatttttaaa gtttcaaaaa 270

<210> 378
<211> 416
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(416)
<223> n = A,T,C or G

<400> 378
ccagtgtggt ggaattcgcc actgctaggg tttacaggct atccctggat taaataaagt 60
atattgtggt ttttttttct ttgacacaaa gtaaaattat aattaatatt gaataaaagta 120
aaaatgaact ccagtgnngn ggaattcgcc actcaggaaa tattagttgc atgaacgaag 180
gctgcatttt catcanaaca acatgcagtt caacccttct atgtttcaat gagggttcan 240
atncccanag ggctatgcta tcatcctgga gccactctg ctaacaatta gcanaacgga 300
agccttaatt tccanattct agtgaacttg atgagtcaan actattgcaa ttggaaatct 360
gttctcctct gctgctgcat tccctgctta atactcaagc canaaaccag gaaggt 416

<210> 379
<211> 576
<212> DNA
<213> Homo sapiens

<400> 379
ttcctatgat cattaaactc attctcaggg ttaagaaagg aatgtaaatt tctgcctcaa 60
tttgacttct atcaataagt ttttgaagag tgcagatttt tagtcaggct ttaaaaaataa 120
actcacaat ctggatgcat ttctaaattc tgcaaatgtt tccctgggtg acttaacaag 180
gaataatccc acaatatacc tagctacctt atacatggag ctggggctca acccactgtt 240
tttaaggatt tgcgcttact tgtggctgag gaaaaataag tagttcgagg aagtagtttt 300
taaatgtgag cttatagata gaaacagaat atcaacttaa ttatgaaatt gttagaacct 360
gttctcttgt atctgaatct gattgcaatt actattgtac tgatagactc cagccattgc 420
aagtctcaga tatcttagct gtgtagtgat tcttgaaatt ctttttaaga aaaattgagt 480
agaaagaaat aaaccctttg taaatgaggc ttggcttttg tgaaagatca tccgcaggct 540

atgttataaag gatttttagct cactaaaagt gtaata

576

<210> 380

<211> 347

<212> DNA

<213> Homo sapiens

<400> 380

ccagtgtggt	ggaattcggg	gagaaggaag	cctggggccc	agccgaggaa	gcgaaaaacc	60
aaacaagcag	ttcccattgt	ggaaccccaa	gaacctgaga	tcaaactaaa	atatgccacc	120
cagccactgg	ataaaaactga	tgccaagaac	aagtcttttt	acccttacat	ccatgtagta	180
aataagtgtg	aacttgagc	cgtttgtaga	atcatcaatg	ctgaggaaga	agaacagacc	240
aaattagtga	ggggcaggaa	gggtcagagg	tcaactgacc	ctccacctag	cagcactgaa	300
agcaaggcgc	tcccggcctc	gtccttttatg	ctgcagggac	ctgttgt		347

<210> 381

<211> 258

<212> DNA

<213> Homo sapiens

<400> 381

gacaagctcc	tgttcttgag	atgtcttctc	gttaaggaga	tgggcctttt	ggaggtaaag	60
gataaaatga	atgagttctg	tcatgattca	ctattctaga	acttgcatga	cctttactgt	120
gttagctctt	tgaatgttct	tgaaatttta	gactttcttt	gtaaacaaat	gatatgtcct	180
tatcattgta	taaaagctgt	tatgtgcaac	agtgtggaga	ttccttgtct	gatttaataa	240
aataacttaa	cactgaaa					258

<210> 382

<211> 580

<212> DNA

<213> Homo sapiens

<400> 382

gccgtaggga	gtacctgctg	cccagctga	ctgtggcccc	ctccgtgatc	catccatctc	60
cagggagcaa	gacagagacg	caggaatgga	aagcggagtt	cctaacagga	tgaaagttcc	120
cccatcagtt	ccccagtac	ctccaagcaa	gtagctttcc	acatttgtca	cagaaatcag	180
aggagagatg	gtgttgggag	ccttttgag	aacgccagtc	tcccaggccc	cctgcatcta	240
tcgagtttgc	aatgtcacia	cctctctgat	cttgtgctca	gcatgattct	ttaatagaag	300
ttttattttt	tctgtgactc	tgctaatacat	gtgggtgagc	cagtggaaaca	gcgggagacc	360
tgtgctagtt	ttacagattg	cctcctaattg	acgcggctca	aaaggaaacc	aagtggtcag	420
gagttgtttc	tgacccactg	atctctacta	ccacaaggaa	aatagtttag	gagaaaccag	480
cttttactgt	ttttgaaaaa	ttacagcttc	accctgtcaa	gttaacaagg	aatgcctgtg	540
ccaataaaaag	gtttctccaa	cttgaagtct	actctgaaaa			580

<210> 383

<211> 608

<212> DNA

<213> Homo sapiens

<400> 383

gtgctagatg	aaaagcgtgc	aatatgyttt	aaagctatca	acaaaaactg	aatattataa	60
gcaagcaata	tcatagtaat	tggcagatta	gctcatattc	tatacagcat	cgtttaataa	120
ggaaaaattt	aatgctagca	aaaaataaat	ttagaaatat	ggcatgacat	gaaaatacaa	180
tcttatattt	acaccagctt	ttcactaata	ttttgtacct	aaggtgatgg	ggaactccat	240

```

tcagataata aaattctctt tcagctagag aagttaacag gaataaatat atgaacaaaa 300
aagctgcaag gataaatgtg gagaaaatga tgagaattag ctaacatttt taagtttttt 360
taaactttct tccctcact tagttgtact taatatattg tggaaagtaa taattttttt 420
aattttctat caactaatag tatagtaact atgattaact tgtttacttt ttctgaggat 480
tagtaaatca attttttttt tatttcaa attttgattt acacttgagg gtaaatataa 540
tctggtaaac tgaatttcct agttaaataa aattagttgc agtatatgat gaacagtgtg 600
tgactcaa 608

```

```

<210> 384
<211> 585
<212> DNA
<213> Homo sapiens

```

```

<400> 384
ttatttcctt aaatattgct acaaaaggaa gatgcggtg taagccctga tttttttttc 60
tccaagaaa aatcttaaag gaccacttta gataatattt gattcctact gtaaaattta 120
gaaaatgatg aattcttgct catttttgta atcaagattt taggaaaaac agaagtacat 180
ctatctttat gaaattttgg gcaggttttt gtgtatcaat attttgactt tttagggaat 240
attttatttt ttagtatttt gtgtcaaat ataattataa aaggtaacgc agaaaatata 300
ccatgttttt atatagggtt acacctgtac ttaggaggga cctgtccat ctatatactt 360
tttgtataaa attttaaaat gttaaagatc cacaagggtc taataaaatg attctatagc 420
tagaaaaaca tttaccttcc cagtgtcttg cactaaaata tactgtgaaa ggaaactaga 480
aagactgtaa ctattgctgg aaatgttcta tattgaatgt acatgctctt gttggaaaaa 540
tgtctatatg tgatggaaat aaaccagaat cgaagttatt tcaaa 585

```

```

<210> 385
<211> 511
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(511)
<223> n = A,T,C or G

```

```

<400> 385
atattgtaca gtatttatcg agataaacat ggtwatcaaa atgtccattg tttataagct 60
gagaatttgc caatattttt caaggagagg cttcttgctg aattttgatt ctgcagctga 120
aatttaggac agttgcaaac gtgaaaagaa gaaaattatt caaatttgga cattttaatt 180
gtttaaaaat tgtacaaaag gaaaaaatta gaataagta tggcgaacca tctctgtggt 240
cttgtttaaa aagggcaaaa gtttttagact actaaatttt ttaacagtaa gttataaaat 300
ttagtagtct aaaacttata acttactgtt aaaagcaaaa atggccatgc aggttgacac 360
cgttggtaat ttataatagc ttttggtcga tcccaacttt ccattttgtt cagataaaaa 420
aaaccatgaa attactgngt ttgaaatatt ttcttatggt ttgtaaatatt tctgtaaatt 480
tattgtgata ttttaaggnt ttccccctt t 511

```

```

<210> 386
<211> 311
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(311)

```

<223> n = A,T,C or G

<400> 386

```
gtggaattcc atgaatntag ttcccatcat gacttanaag gtgctgtagg tgggtactac 60
ccagaaccca gtnagctttg tcaacttgat caaagtgatt ctgatttcca tggagatcct 120
acatttcaac acgtatttca taaccacact taccacttac agccaactgc accagaatct 180
acttctgaac cttttccgtg gcttggaag tcacagaaga taaggagtag ataccttgaa 240
gacacagata gaaacttgag cctgatgaa cagcngcta aagctttgca tatccctttt 300
tctgtagatg a                                     311
```

<210> 387

<211> 461

<212> DNA

<213> Homo sapiens

<400> 387

```
cacagatagc aagacttcat ttcaggagtt gggagtggga agtaggaagt gtttaatccc 60
aagtttttgt gccctaaaat ggctagtagt atagttaatt ctcaattctc tagctgtgat 120
cttctgtgcc ttctatctct toctaaggaa aaccacatta gatgaaccca gggctcagtc 180
attttaggga gaggggtgag acaacactgc cagcaacaca gctggaatca cccgagtcgg 240
gaacattaaa gttcctgaga gaatatgaaa caactatcaa cataatattt ctccctactt 300
ttacagtaaa atattggaag taaataaata tagggaatgc aacaactggc taggagtggt 360
ttacattcag ttgtttggaa gcataacaca ttcagctcct ttgaatcttc ccgtagagaa 420
atacagaatt actctatcac cttttaaggt acagtaaaaa a                                     461
```

<210> 388

<211> 555

<212> DNA

<213> Homo sapiens

<400> 388

```
ggataaaggc cagggatgct gctcaacctc ctaccatgta caggacgtct cccattaca 60
actaccaat ccgaagtgtc aactgtgtca ggactaagaa accctggttt tgagtagaaa 120
agggcctgga aagaggggag ccaacaaatc tgtctgcttc ctacattag tcattggcaa 180
ataagcattc tgtctctttg gctgctgcct cagcacagag agccagaact ctatcggcca 240
ccaggataac atctctcagt gaacagagtt gacaaggcct atgggaaatg cctgatggga 300
ttatcttcag cttgttgagc ttctaagttt ctttcccttc attctaccct gcaagccaag 360
ttctgtaaga gaaatgcctg agttctagct caggttttct tactctgaat ttagatctcc 420
agacccttcc tggccacaat tcaaattaag gcaacaaaca tataccttcc atgaagcaca 480
cacagacttt tgaaagcaag gacaatgact gcttgaattg aggccttgag gaatgaagct 540
ttgaaggaaa agaatt                                     555
```

<210> 389

<211> 563

<212> DNA

<213> Homo sapiens

<400> 389

```
ttatttttgt cagctgagta ccatcaggat atttaacctt ttaagtgtctg ttttgggagt 60
agaaaactaa agcaacaata cttctctttg acagctttga ttggaatggg gttattagat 120
cattcacctt ggtcctacac tttttaggat gcttggtgaa cataacacca cttataatga 180
acatccctgg ttctatatt ttgggctatg tgggtaggaa ttgttacttg ttactgcagc 240
agcagcccta gaaagtaagc ccagggtctc agatctaagt tagtccaaaa gctaaatgat 300
ttaaagtcaa gttgtaatgc taggcataag cactctataa tacattaaat tataggccga 360
```

```

gcaattaggg aatgtttctg aaacattaaa cttgtattta tgtcactaaa attctaacac 420
aaacttaaaa aatgtgtctc atacatatgc tgtactaggc ttcacatgc atttctaaat 480
ttgtgtatga tttgaatata tgaaagratt tatacaagag tgttatttaa aattattaaa 540
aataaatgta tataatttga aaa 563

```

<210> 390

<211> 278

<212> DNA

<213> Homo sapiens

<400> 390

```

gaacattatg ttttagatgg gtagtactag ctactcatct gtccccaga aaccaagct 60
aagcatggac atattgaaga gaatgtcagc accattaaaa aaactctaga aaaatcacat 120
gtgatgactg aggttaattc agtctgtcaa ttacatcagt ataattgcct tcttgaacc 180
ctaagtatgg tgaagcagaa ttgaattcta caaaagtctt tcatctgttt tccatggaa 240
taattaacaa acccaataaa tgtataaata gcatgaaa 278

```

<210> 391

<211> 578

<212> DNA

<213> Homo sapiens

<400> 391

```

cggcgctcgg ctgcaggat ggatcccgtg cccgggacag actcggcgcc gctggctggc 60
ctggcctggg cgtcggcctc tgcaccccg cgcgggggt tcagcgcgat ctctgcacc 120
gtcgaggggg caccgcccag ctttggcaag agcttcgcgc agaaatctgg ctacttctg 180
tgccttagtt ctctgggcag cctagagaac cgcaggaga acgtggtggc cgatatccag 240
atcgtggtgg acaagagccc cctgccgctg ggcttctccc ccgtctgcga ccccatggat 300
tccaaggcct ctgtgtccaa gaagaaacgc atgtgtgtga agctgttgcc cctgggagcc 360
acggacacgg ctgtgtttga tgtccggctg agtgggaaga ccaagacagt gcctggatac 420
cttcgaatag gggacatggg cggctttgcc atctggtgca agaaggccaa ggccccgagg 480
ccagtgccca agccccgagg tctcagccgg gacatgcagg gcctctctct ggatgcagcc 540
agccagccaa gtaagggcgg cctcctggag cggacagc 578

```

<210> 392

<211> 439

<212> DNA

<213> Homo sapiens

<400> 392

```

ttcaacaaac cttgtatagt gtatgttttg ccatatttaa tattaatagc agaggaagac 60
tcttttttct atcactgtat gaatttttta taatgttttt ttaaaatata tttcatgtat 120
acttataaac taattcacac aagtgtttgt cttagatgat taaggaagac tataatctaga 180
tcatgtctga ttttttattg tgaactctcc agccctggtc tgaatttctt aaggttttat 240
aaacaaatgc tgctatttat tagctgcaag aatgcacttt agaactattt gacaattcag 300
actttcaaaa taaagatgta aatgactggc caataataac catttttagga aggtgttttg 360
aattctgtat gtatatattc actttctgac atttagatat gccaaaagaa ttaaaatcaa 420
aagcactaag aaataaaaa 439

```

<210> 393

<211> 544

<212> DNA

<213> Homo sapiens

<400> 393

```

tttgaattta caccaagaac ttotcaataa aagaaaatca tgaatgctcc acaatttcaa 60
cataccacaa gagaagttaa tttcttaaca ttgtgttcta tgattatttg taagaccttc 120
accaagttct gatattcttt aaagacatag ttcaaaattg cttttgaaaa tctgtattct 180
tgaaaatata cttgttgtgt attaggtttt taaataccag ctaaaggatt acctcactga 240
gtcatcagta cctcctatt cagctcccca agatgatgtg tttttgctta ccctaagaga 300
ggttttcttc ttatttttag ataattcaag tgcttagata aattatgttt tctttaagtg 360
tttatggtaa actcttttaa agaaaattta atatgttata gctgaatctt ttggtaact 420
ttaaattctt atcatagact ctgtacatat gttcaaatta gctgcttgcc tgatgtgtgt 480
atcatcgggtg ggatgacaga acaaacatat ttatgatcat gaataatgtg ctttgtaaaa 540
agat 544

```

<210> 394

<211> 424

<212> DNA

<213> Homo sapiens

<400> 394

```

aaacatcatt tagcagcaat gaacctgtca acacatggaa ataaggttta cagtcatgca 60
aatgtccatt taactttggt tgagccaaac aaatataaca gtaaaactaat tagactggct 120
tacatccccg tagacagtga aaccaattat ttcttaaaga agggtttgct tgtttttact 180
ctagggcaaa ggtgcataac ttcttgtaat actcctgaat agttcttcaa atcaggacag 240
ataaagtttg caactgatgg aatagctacc ttgatgtgca aatggttggg tctttaatta 300
ggttcattta tataattgag aaagaagcca gggaatgcat ttgtgcaagg atgattttaa 360
aagaagaggg atggctcgcc ttttaattct gtatgggagg aaaattcata aaaaactgaa 420
aaaa 424

```

<210> 395

<211> 279

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(279)

<223> n = A,T,C or G

<400> 395

```

ttcctatgat nattaaactc attctcaggg ttaagaaagg aatgtaaatt tctgcctcaa 60
tttgcacttc atcaataagt ttttgaagag tgcagatttt tagtcaggtc ttaaaaataa 120
actcacaaat ctggatgcat ttctaaattc tgcaaatggt tcctgggggtg acttaacaag 180
gaataatccc acaatatacc tagctacctt atacatggag ctgggggtca acccactgtt 240
tttaaggatt tgcgcttact tgtggctgan gaaaaataa 279

```

<210> 396

<211> 3293

<212> DNA

<213> Homo sapiens

<400> 396

```

cagccccggg ccaggccgag gccggggcag gagcgaggg gctttgttat gcacctaaag 60
ccatattgga agctccagaa gaaagagcac cccccggaag tcagcagga aacgcagaga 120
actcctatga accacaaaaa ggctgtaaat gatgaaacat gcaaagctag ccacataaca 180

```


tcaagtgtct	ttccttcagc	ctctctcggt	aaagcatcat	ctcgaaagcc	atltgggato	240
ctttctccaa	atgttctgtg	cagtatgagt	gggaagagtc	ctgtagagag	cagcttgaat	300
gttaaaacca	aaaagaatgc	accatctgca	acgatccacc	agggcgaaga	agaaggacca	360
cttgatatct	gggctgttgt	gaaacctgga	aataccaagg	aaaaaattgc	attcttttgc	420
tcccaccagt	gtagtaacag	gataggatct	atgaaaataa	aaagttcctg	ggatattgat	480
gggagagcta	ctaagagaag	gaaaaaatca	ggggatctta	aaaaagccaa	ggtacagggtg	540
gaaaggatga	gggaggttaa	cagcagggtgc	taccaacctg	agccttttgc	atgtggcatt	600
gagcactgtt	ctgtgcacta	tgtgagtgac	agtggggatg	gagtcctatg	tgggaggcct	660
ctgtcagtta	tacagatggg	tgcttctctg	gagcaaagag	ccagtgcctc	gctagctagc	720
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<211> 727
 <212> PRT
 <213> Homo sapiens

<400> 397

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			85						90					95	
Ser	Ser	Leu	Asn	Val	Lys	Thr	Lys	Lys	Asn	Ala	Pro	Ser	Ala	Thr	Ile
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His	Gln	Gly	Glu	Glu	Glu	Gly	Pro	Leu	Asp	Ile	Trp	Ala	Val	Val	Lys
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Pro	Gly	Asn	Thr	Lys	Glu	Lys	Ile	Ala	Phe	Phe	Ala	Ser	His	Gln	Cys
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				165					170					175	
Lys	Val	Gln	Val	Glu	Arg	Met	Arg	Glu	Val	Asn	Ser	Arg	Cys	Tyr	Gln
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	225				230					235				240	
Cys	Ser	Lys	Asn	Cys	Thr	Asn	Ser	Pro	Ala	Ile	Val	Arg	Phe	Ser	Gly
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Gln	Ser	Arg	Gly	Val	Pro	Ala	Val	Ser	Glu	Ser	Tyr	Ser	Ala	Pro	Gly
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Ala	Cys	Glu	Glu	Pro	Thr	Glu	Arg	Gly	Asn	Leu	Glu	Val	Gly	Glu	Pro
	275						280					285			
Gln	Ser	Glu	Pro	Val	Arg	Val	Leu	Asp	Met	Val	Ala	Lys	Leu	Glu	Ser
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Glu	Cys	Leu	Lys	Arg	Gln	Gly	Gln	Arg	Glu	Pro	Gly	Ser	Leu	Ser	Arg
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			340					345					350		
Asp	Thr	Gln	Val	Asn	Pro	Val	Gly	Ser	Val	Ser	Val	Asp	Cys	Gly	Pro
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Asp	Ser	Ala	Glu	Leu	Glu	Pro	Gly	Ser	Gln	Thr	Ala	Val	Lys	Asn
				405					410					415
Asn	Arg	Tyr	Asp	Val	Glu	Met	Thr	Asp	Glu	Leu	Val	Gly	Leu	Pro
			420					425					430	
Ser	Ser	His	Thr	Tyr	Ser	Gln	Ala	Ser	Glu	Leu	Pro	Thr	Asp	Ala
		435					440					445		
Asp	Cys	Met	Ser	Arg	Glu	Leu	Val	Ser	Leu	Thr	Ser	Arg	Asn	Pro
	450					455				460				
Gln	Arg	Lys	Glu	Ser	Leu	Cys	Ile	Ser	Ile	Thr	Val	Ser	Lys	Val
465					470				475					480
Lys	Asp	Gln	Pro	Ser	Ile	Leu	Asn	Ser	Cys	Glu	Asp	Pro	Val	Pro
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Leu	Glu	Ala	Ser	Ser	Trp	Lys	Lys	Gln	Val	Ser	His	Asp	Phe	Leu
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Phe	Leu	Pro	His	His	Ile	Met	Val	Lys	Ile	Phe	Arg	Leu	Leu	Pro
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625				630					635					640
Pro	Arg	Tyr	Arg	Glu	Asp	Pro	Cys	Lys	Gln	Cys	Lys	Lys	Lys	Tyr
				645				650						655
Lys	Gly	Asp	Val	Ser	Leu	Cys	Arg	Trp	His	Pro	Lys	Pro	Tyr	Cys
			660				665					670		
Ala	Leu	Pro	Tyr	Gly	Pro	Gly	Tyr	Trp	Met	Cys	Cys	His	Arg	Ser
	675					680						685		
Lys	Gly	Phe	Pro	Gly	Cys	Lys	Leu	Gly	Leu	His	Asp	Asn	His	Trp
	690				695					700				
Pro	Ala	Cys	His	Ser	Phe	Asn	Arg	Ala	Ile	His	Lys	Lys	Ala	Lys
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<210> 398
 <211> 403
 <212> DNA
 <213> Homo sapiens

<400> 398
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 gtaccgggac cagcacttcc ggggtgacaa tgaagaacaa gaaaaattac tgaagaaaag 180

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ctgtacgtta tatgttgga atctttcttt ttacacaact gaagaacaaa tctatgaact 240
cttcagcaaa agtggtgaca taaagaaaat cattatgggt ctggataaaa tgaagaaaac 300
agcatgtgga ttctgttttg tggaaatatta ctcacgcgca gatgcggaaa acgccatgcg 360
gtacataaat gggacgcgctc tggatgaccg aatcattcgc aca 403

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<210> 399

<211> 403

<212> DNA

<213> Homo sapiens

<400> 399

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ttttgatgct ttctttcatg ggaatagtca cttttttatt tagtaaactg cattgctgga 60
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ccatcatggc agctatgtga aacactaata aatgtgtttt tactttttat tcccgttaaa 180
actgatgtaa aacaggataa aggcttggtta tagtcactta taagtatctg ggtctaagta 240
atttccttag atgtttctaa agaaacattt tcagctttgc tcccattatg attccaataa 300
ggaacgcttt cctagtgcac ttttaggagt aaagtttgaa gagataaaaa tagccaaaga 360
taggagacgt ctgaattttg aatgataaac agtgaatggt taa 403

```

<210> 400

<211> 283

<212> DNA

<213> Homo sapiens

<400> 400

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ttatttttcc cctcaaatcc atgattttta cgtctgttac aaagggaatt ttgctgatag 60
ctctttgggt cccactgttc cattttatgc taatagattc cattctaggg cccagccgct 120
tcttgactga tgggtgtccc ttttaacctt ggcattgtata atagaatttt ggtgaatgaa 180
agaacccaaa taggccagat agtcccccca ggccctgata tccataaaaag gcttgggaat 240
gcattatgta attgtcctta gtctttttgt tgttttagaa aaa 283

```

<210> 401

<211> 303

<212> DNA

<213> Homo sapiens

<400> 401

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cataaagggt gtgcgcgtct togacgtggc ggtcttggtc ccaactgctgc gagaccggcg 60
cctggacctc aaggtcatcc acttggtgct tgatccccgc gcggtggcga gttcacggat 120
ccgctcgcgc cacggcctca tccgtgagag cctacagggt gtgcgcagcc gagaccggcg 180
agctcaccgc atgcccttct tggaggccgc gggccacaag cttggcgcca agaaggaggg 240
cgtgggcggc cccgcagact accacgctct gggcgctatg gaggtcatct gcaatagtat 300
ggc 303

```

<210> 402

<211> 473

<212> DNA

<213> Homo sapiens

<400> 402

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ccaacacagt cagaaacatt gttttgaatc ctctgtaaac caaggcatta atcttaataa 60
accaggatcc atttaggtac cacttgatat aaaaaggata tccataatga atattttata 120
ctgcatcctt tacattagcc actaaatacg ttattgcttg atgaagacct ttacagaat 180
cctatggatt gcagcatttc acttggctac ttcataccca tgccttaaag aggggcagtt 240

```

```

tctcaaaagc agaaacatgc cgccagttct caagttttcc tcctaactcc atttgaatgt 300
aagggcagct ggccccaat gtggggaggt ccgaacattt tctgaattcc cattttcttg 360
ttcgcggtta aatgacagtt tctgtcatta cttagattcc gatctttccc aaagggtgtg 420
atttacaag aggccagcta atagcagaaa tcatgaccct gaaagagaga tga 473

```

<210> 403

<211> 513

<212> DNA

<213> Homo sapiens

<400> 403

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ggcattaact tttagaattht gggctggtga gattaattht ttttaatatc ccagctagag 60
atatggcctt taactgacct aaagaggtgt gttgtgattt aattttttcc cgttcctttt 120
tcttcagtaa acccaacaat agtctaacct taaaaattga gttgatgtcc ttataggtca 180
ctacccttaa ataaacctga agcaggtgtt ttctcttgga cataactaaa aatacctaaa 240
aggaagctta gatggtctgt gacacaaaaa attcaattac tgtcatctaa tgccagctgt 300
taaaagtgtg gccactgagc atttgatttt ataggaaaaa atagtatttt tgagaataac 360
atagctgtgc tattgcacat ctggtggagg acatcccaga tttgcttata ctcagtgccct 420
gtgatattga gtttaaggat ttgaggcagg ggtaattatt aaacatattg cttctattct 480
tggaataata gaagtgtaaa atgttaataa tac 513

```

<210> 404

<211> 533

<212> DNA

<213> Homo sapiens

<400> 404

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ccagtggtgt ggaattcgcg gtaggctggg accataaac aagcatgact atatgaagga 60
agaggaaggt tttcctgaag atgaggcgac tgaatcggaa aaaaacttta agtttggtta 120
aagagttgga tgcctttccg aagggtcctg agagctatgt agagacttca gccagtgagg 180
gtacagtttc tctaatagca tttacaacta tggctttatt aaccataatg gaattctcag 240
tatatcaaga tacatggatg aagtatgaat acgaagtaga caaggatttt tctagcaaat 300
taagaattaa tatagatatt actggtgcca tgaagtgtca atatggttga gcggatgtat 360
tggatttagc agaaacaatg gttgcatctg cagatggttt agtttatgaa ccaacagtat 420
ttgatctttc accacagcag aaagagtggc agaggatgct gcagctgatt cagagtaggc 480
tacaagaaga gcattcactt caagatgtga tattttaaag tgctttttaa agt 533

```

<210> 405

<211> 513

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (513)

<223> n = A,T,C or G

<400> 405

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agcaccatga atcaaactgc cattctgatt tgctgcctta tctttctgac tctaagtggc 120
attcaaggag taccctctctc tagaactgta cgctgtacct gcatcagcat tagtaatcaa 180
cctgttaatc caaggctctt agaaaaactt gaaattattc ctgcaagcca attttgtcca 240
cgtgttgaga tcattgctac aatgaaaaag aagggtgaga agagatgtct gaatccagaa 300
tcgaaggcca tcaagaattt actgaaagca gtttagcaagg aaaggctctaa aagatctcct 360

```

```

taaaaccaga ggggagcaaa atcgatgcag tgcttccaag gatggaccac acagaggctg 420
cctctcccat cacttcccta catggagtat atgtcaagcc ataattgttc ttagtttgca 480
gttacctaa aaggtgacca atcatggtca cca 513

```

```

<210> 406
<211> 483
<212> DNA
<213> Homo sapiens

```

```

<400> 406
atataccatt taatacattt acactttctt atttaagaag atattgaatg caaaataatt 60
gacatataga actttacaaa catatgtcca aggactctaa attgagactc ttccacatgt 120
acaatctcat catcctgaag cctataatga agaaaaagat ctagaaactg agttgtggag 180
ctgactctaa tcaaatgtga tgattggaat tagaccattt ggcctttgaa ctttcatagg 240
aaaaatgacc caacatttct tagcatgagc tacctcatct ctagaagctg ggatggactt 300
actattcttg tttatatttt agatactgaa aggtgctatg cttctgttat tattccaaga 360
ctggagatag gcagggctaa aaaggtatta ttatttttcc tttaatgatg gtgctaaaat 420
tcttcctata aaattcctta aaaataaaga tggtttaatc actaccattg tgaaaacata 480
act 483

```

```

<210> 407
<211> 241
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(241)
<223> n = A,T,C or G

```

```

<400> 407
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ctgactaagg ttgacataat angtcacact cccattactt tgatatctga tcaaattgtat 120
agactnggct ttgttttttg tgctattagg aaattctgat gagcattact attcactgat 180
gcagaaagac gttcttttgc ataaaagact ttttttaaca ctttggactt ctctgaaata 240
t 241

```

```

<210> 408
<211> 213
<212> DNA
<213> Homo sapiens

```

```

<400> 408
ccagtgtggt ggaattcaca tgatacagcc actgggctta tacagtatgc attggaccag 60
ggcgtgaacg tcaccaggt attcgtggac accgtagga tgccagagac ataccaggcg 120
cggttgcagc aaagttttcc cgggattgag gggaccggcc aaggccaaag cagatgcctt 180
ctaccgggtg gttagtgctg ccagcatctg tgc 213

```

```

<210> 409
<211> 413
<212> DNA
<213> Homo sapiens

```

```

<400> 409

```

```

tcagatgagt ggctgctgaa ggggccccct tgtcattttc attataaccc aatttccact 60
tatttgaact cttaagtcac aaatgtataa tgacttatga attagcacag ttaagttgac 120
actagaaact gccattttct gtattacact atcaaataag aaacattgga aagatgggga 180
aaaaaatctt attttaaaat ggcttagaaa gttttcagat tactttgaaa attctaaact 240
tctttctggt tccaaaactt gaaaatatgt agatggactc atgcattaag actgttttca 300
aagctttcct cacattttta aagtgtgatt ttctttttaa tatacatatt tattttcttt 360
aaagcagcta tatcccaacc catgactttg gagatatacc tataaaaacca ata 413

```

<210> 410

<211> 153

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(153)

<223> n = A,T,C or G

<400> 410

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gcaaaccacg actgaagaaa gacgaaaagt gggaaataac ttgcaacgtc tgtagagat 60
ggttgctaca catgttgggt ctgtaganaa acatcttgag gagcagattc ctaaagttga 120
taganaatat gaagaatgca tgtcaaaaga tct 153

```

<210> 411

<211> 253

<212> DNA

<213> Homo sapiens

<400> 411

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cagtgtggtg gaattcgctg gcgaaagcgg cgggaagtgc gtactgggca gaacgcgacg 60
ggtctgcggc ttaggtgaaa atgcctcgctg taaaagcagc tcaagctgga agacagagct 120
ctgcaaagag acatcttgca gaacaatttg caagttggag agataataac tgacatggca 180
aaaaaggaat ggaaagtagg attaccattt ggccaaggag gctttggctg tatatatctt 240
gctgatatga att 253

```

<210> 412

<211> 3079

<212> DNA

<213> Homo sapiens

<400> 412

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gaagtgagta gtgggggtgc cagaccaggt gcgtctgccg ctggattgtg ataggaagca 60
gagtgttcgt gtgaaagatg gatactatga tgctgaatgt gcggaatctg tttgagcagc 120
ttgtgcgccg ggtggagatt ctcagtgaag gaaatgaagt ccaatttata cagttggcga 180
aggactttga ggatttcgtt aaaaagtggc agaggactga ccatgagctg gggaaataca 240
aggatctttt gatgaaagca gagactgagc gaagtgtctt ggatgttaag ctgaagcatg 300
cacgtaatca ggtggatgta gagatcaaac ggagacagag agctgaggct gactgcgaaa 360
agctggaacg acagattcag ctgattcgag agatgtcat gtgtgacaca tctggcagca 420
ttcaactaag cgaggagcaa aaatcagctc tggcttttct caacagaggc caaccatcca 480
gcagcaatgc tgggaacaaa agactatcaa ccattgatga atctggttcc attttatcac 540
atatcagctt tgacaagact gatgaatcac tggattggga ctcttctttg gtgaagactt 600
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<212> PRT
<213> Homo sapiens

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Leu Ala Lys Asp Phe Glu Asp Phe Arg Lys Lys Trp Gln Arg Thr Asp
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His Glu Leu Gly Lys Tyr Lys Asp Leu Leu Met Lys Ala Glu Thr Glu
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 545 550 555 560
 Ala Phe Ser Thr Pro Gln Thr Pro Asp Ile Lys Val Ser Leu Leu Gly
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 <212> DNA
 <213> Homo sapiens

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<212> DNA
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<212> DNA
<213> Homo sapiens

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<210> 424

<211> 3075

<212> DNA

<213> Homo sapiens

<400> 424

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ccagatgacg atgatggaaa tccaaatgaa catagaggcg cagaatccga agcataactc 2040
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<210> 425
 <211> 819
 <212> PRT
 <213> Homo sapiens

<400> 425

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Asp	Phe	Leu	Asp	Asp	Glu	Glu	Asp	Gln	Gly	Ile	Tyr	Gln	Ser	Lys	Val
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Arg	Glu	Leu	Ile	Ser	Asp	Asn	Gln	Tyr	Arg	Leu	Ile	Val	Asn	Val	Asn
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Asp	Leu	Arg	Arg	Lys	Asn	Glu	Lys	Arg	Ala	Asn	Arg	Leu	Leu	Asn	Asn
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Ala	Phe	Glu	Glu	Leu	Val	Ala	Phe	Gln	Arg	Ala	Leu	Lys	Asp	Phe	Val
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Ala	Ser	Ile	Asp	Ala	Thr	Tyr	Ala	Lys	Gln	Tyr	Glu	Glu	Phe	Tyr	Val
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Gly	Leu	Glu	Gly	Ser	Phe	Gly	Ser	Lys	His	Val	Ser	Pro	Arg	Thr	Leu
	115					120						125			
Thr	Ser	Cys	Phe	Leu	Ser	Cys	Val	Val	Cys	Val	Glu	Gly	Ile	Val	Lys
	130				135					140					
Cys	Ser	Leu	Val	Arg	Pro	Lys	Val	Val	Arg	Ser	Val	His	Tyr	Cys	Pro
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Ala	Thr	Lys	Lys	Thr	Ile	Glu	Arg	Arg	Tyr	Ser	Asp	Leu	Thr	Thr	Leu
			165				170						175		
Val	Ala	Phe	Pro	Ser	Ser	Ser	Val	Tyr	Pro	Thr	Lys	Asp	Glu	Glu	Asn
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Asn	Pro	Leu	Glu	Thr	Glu	Tyr	Gly	Leu	Ser	Val	Tyr	Lys	Asp	His	Gln
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Thr	Ile	Thr	Ile	Gln	Glu	Met	Pro	Glu	Lys	Ala	Pro	Ala	Gly	Gln	Leu
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Pro	Arg	Ser	Val	Asp	Val	Ile	Leu	Asp	Asp	Asp	Leu	Val	Asp	Lys	Ala
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Lys	Pro	Gly	Asp	Arg	Val	Gln	Val	Val	Gly	Thr	Tyr	Arg	Cys	Leu	Pro
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Ala	Cys	Asn	Val	Lys	Gln	Met	Ser	Lys	Asp	Ala	Gln	Pro	Ser	Phe	Ser
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Ala	Glu	Asp	Ile	Ala	Lys	Ile	Lys	Lys	Phe	Ser	Lys	Thr	Arg	Ser	Lys
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Asp	Ile	Phe	Asp	Gln	Leu	Ala	Lys	Ser	Leu	Ala	Pro	Ser	Ile	His	Gly
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His	Asp	Tyr	Val	Lys	Lys	Ala	Ile	Leu	Cys	Leu	Leu	Leu	Gly	Gly	Val
			325						330					335	
Glu	Arg	Asp	Leu	Glu	Asn	Gly	Ser	His	Ile	Arg	Gly	Asp	Ile	Asn	Ile
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Leu	Leu	Ile	Gly	Asp	Pro	Ser	Val	Ala	Lys	Ser	Gln	Leu	Leu	Arg	Tyr
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Val	Leu	Cys	Thr	Ala	Pro	Arg	Ala	Ile	Pro	Thr	Thr	Gly	Arg	Gly	Ser
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Ser	Gly	Val	Gly	Leu	Thr	Ala	Ala	Val	Thr	Thr	Asp	Gln	Glu	Thr	Gly
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Glu	Arg	Arg	Leu	Glu	Ala	Gly	Ala	Met	Val	Leu	Ala	Asp	Arg	Gly	Val
			405					410						415	
Val	Cys	Ile	Asp	Glu	Phe	Asp	Lys	Met	Ser	Asp	Met	Asp	Arg	Thr	Ala
			420					425					430		
Ile	His	Glu	Val	Met	Glu	Gln	Gly	Arg	Val	Thr	Ile	Ala	Lys	Ala	Gly
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Ile	His	Ala	Arg	Leu	Asn	Ala	Arg	Cys	Ser	Val	Leu	Ala	Ala	Ala	Asn
		450					455				460				
Pro	Val	Tyr	Gly	Arg	Tyr	Asp	Gln	Tyr	Lys	Thr	Pro	Met	Glu	Asn	Ile
465				470					475						480
Gly	Leu	Gln	Asp	Ser	Leu	Leu	Ser	Arg	Phe	Asp	Leu	Leu	Phe	Ile	Met
			485					490						495	
Leu	Asp	Gln	Met	Asp	Pro	Glu	Gln	Asp	Arg	Glu	Ile	Ser	Asp	His	Val
			500					505					510		
Leu	Arg	Met	His	Arg	Tyr	Arg	Ala	Pro	Gly	Glu	Gln	Asp	Gly	Asp	Ala
		515					520					525			
Met	Pro	Leu	Gly	Ser	Ala	Val	Asp	Ile	Leu	Ala	Thr	Asp	Asp	Pro	Asn
		530				535					540				
Phe	Ser	Gln	Glu	Asp	Gln	Gln	Asp	Thr	Gln	Ile	Tyr	Glu	Lys	His	Asp
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Asn	Leu	Leu	His	Gly	Thr	Lys	Lys	Lys	Lys	Glu	Lys	Met	Val	Ser	Ala
			565					570						575	
Ala	Phe	Met	Lys	Lys	Tyr	Ile	His	Val	Ala	Lys	Ile	Ile	Lys	Pro	Val
		580						585					590		
Leu	Thr	Gln	Glu	Ser	Ala	Thr	Tyr	Ile	Ala	Glu	Glu	Tyr	Ser	Arg	Leu
		595				600						605			
Arg	Ser	Gln	Asp	Ser	Met	Ser	Ser	Asp	Thr	Ala	Arg	Thr	Ser	Pro	Val
610						615						620			

Thr Ala Arg Thr Leu Glu Thr Leu Ile Arg Leu Ala Thr Ala His Ala
 625 630 635 640
 Lys Ala Arg Met Ser Lys Thr Val Asp Leu Gln Asp Ala Glu Glu Ala
 645 650 655
 Val Glu Leu Val Gln Tyr Ala Tyr Phe Lys Lys Val Leu Glu Lys Glu
 660 665 670
 Lys Lys Arg Lys Lys Arg Ser Glu Asp Glu Ser Glu Thr Glu Asp Glu
 675 680 685
 Glu Glu Lys Ser Gln Glu Asp Gln Glu Gln Lys Arg Lys Arg Arg Lys
 690 695 700
 Thr Arg Gln Pro Asp Ala Lys Asp Gly Asp Ser Tyr Asp Pro Tyr Asp
 705 710 715 720
 Phe Ser Asp Thr Glu Glu Glu Met Pro Gln Val His Thr Pro Lys Thr
 725 730 735
 Ala Asp Ser Gln Glu Thr Lys Glu Ser Gln Lys Val Glu Leu Ser Glu
 740 745 750
 Ser Arg Leu Lys Ala Phe Lys Val Ala Leu Leu Asp Val Phe Arg Glu
 755 760 765
 Ala His Ala Gln Ser Ile Gly Met Asn Arg Leu Thr Glu Ser Ile Asn
 770 775 780
 Arg Asp Ser Glu Glu Pro Phe Ser Ser Val Glu Ile Gln Ala Ala Leu
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 Phe Leu Ile

<210> 426
 <211> 178
 <212> PRT
 <213> Homo sapiens

<400> 426
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 35 40 45
 Glu Ile Ile Lys Arg Phe Glu Gln Lys Gly Phe Arg Leu Val Gly Leu
 50 55 60
 Lys Phe Met Gln Ala Ser Glu Asp Leu Leu Lys Glu His Tyr Val Asp
 65 70 75 80
 Leu Lys Asp Arg Pro Phe Phe Ala Gly Leu Val Lys Tyr Met His Ser
 85 90 95
 Gly Pro Val Val Ala Met Val Trp Glu Gly Leu Asn Val Val Lys Thr
 100 105 110
 Gly Arg Val Met Leu Gly Glu Thr Asn Pro Ala Asp Ser Lys Pro Gly
 115 120 125
 Thr Ile Arg Gly Asp Phe Cys Ile Gln Val Gly Arg Asn Ile Ile His
 130 135 140
 Gly Ser Asp Ser Val Glu Ser Ala Glu Lys Glu Ile Gly Leu Trp Phe
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 His Pro Glu Glu Leu Val Asp Tyr Thr Ser Cys Ala Gln Asn Trp Ile

Tyr Glu 165 170 175

 <210> 427
 <211> 570
 <212> PRT
 <213> Homo sapiens

 <400> 427
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 35 40 45
 Thr Ser Gly Ser Ile Gln Leu Ser Glu Glu Gln Lys Ser Ala Leu Ala
 50 55 60
 Phe Leu Asn Arg Gly Gln Pro Ser Ser Ser Asn Ala Gly Asn Lys Arg
 65 70 75 80
 Leu Ser Thr Ile Asp Glu Ser Gly Ser Ile Leu Ser Asp Ile Ser Phe
 85 90 95
 Asp Lys Thr Asp Glu Ser Leu Asp Trp Asp Ser Ser Leu Val Lys Thr
 100 105 110
 Phe Lys Leu Lys Lys Arg Glu Lys Arg Arg Ser Thr Ser Arg Gln Phe
 115 120 125
 Val Asp Gly Pro Pro Gly Pro Val Lys Lys Thr Arg Ser Ile Gly Ser
 130 135 140
 Ala Val Asp Gln Gly Asn Glu Ser Ile Val Ala Lys Thr Thr Val Thr
 145 150 155 160
 Val Pro Asn Asp Gly Gly Pro Ile Glu Ala Val Ser Thr Ile Glu Thr
 165 170 175
 Val Pro Tyr Trp Thr Arg Ser Arg Arg Lys Thr Gly Thr Leu Gln Pro
 180 185 190
 Trp Asn Ser Asp Ser Thr Leu Asn Ser Arg Gln Leu Glu Pro Arg Thr
 195 200 205
 Glu Thr Asp Ser Val Gly Thr Pro Gln Ser Asn Gly Gly Met Arg Leu
 210 215 220
 His Asp Phe Val Ser Lys Thr Val Ile Lys Pro Glu Ser Cys Val Pro
 225 230 235 240
 Cys Gly Lys Arg Ile Lys Phe Gly Lys Leu Ser Leu Lys Cys Arg Asp
 245 250 255
 Cys Arg Val Val Ser His Pro Glu Cys Arg Asp Arg Cys Pro Leu Pro
 260 265 270
 Cys Ile Pro Thr Leu Ile Gly Thr Pro Val Lys Ile Gly Glu Gly Met
 275 280 285
 Leu Ala Asp Phe Val Ser Gln Thr Ser Pro Met Ile Pro Ser Ile Val
 290 295 300
 Val His Cys Val Asn Glu Ile Glu Gln Arg Gly Leu Thr Glu Thr Gly
 305 310 315 320
 Leu Tyr Arg Ile Ser Gly Cys Asp Arg Thr Val Lys Glu Leu Lys Glu
 325 330 335
 Lys Phe Leu Arg Val Lys Thr Val Pro Leu Leu Ser Lys Val Asp Asp
 340 345 350

Ile His Ala Ile Cys Ser Leu Leu Lys Asp Phe Leu Arg Asn Leu Lys
 355 360 365
 Glu Pro Leu Leu Thr Phe Arg Leu Asn Arg Ala Phe Met Glu Ala Ala
 370 375 380
 Glu Ile Thr Asp Glu Asp Asn Ser Ile Ala Ala Met Tyr Gln Ala Val
 385 390 395 400
 Gly Glu Leu Pro Gln Ala Asn Arg Asp Thr Leu Ala Phe Leu Met Ile
 405 410 415
 His Leu Gln Arg Val Ala Gln Ser Pro His Thr Lys Met Asp Val Ala
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 Asn Leu Ala Lys Val Phe Gly Pro Thr Ile Val Ala His Ala Val Pro
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 Asn Pro Asp Pro Val Thr Met Leu Gln Asp Ile Lys Arg Gln Pro Lys
 450 455 460
 Val Val Glu Arg Leu Leu Ser Leu Pro Leu Glu Tyr Trp Ser Gln Phe
 465 470 475 480
 Met Met Val Glu Gln Glu Asn Ile Asp Pro Leu His Val Ile Glu Asn
 485 490 495
 Ser Asn Ala Phe Ser Thr Pro Gln Thr Pro Asp Ile Lys Val Ser Leu
 500 505 510
 Leu Gly Pro Val Thr Thr Pro Glu His Gln Leu Leu Lys Thr Pro Ser
 515 520 525
 Ser Ser Ser Leu Ser Gln Arg Val Arg Ser Thr Leu Thr Lys Asn Thr
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 Gly Asn Phe Phe Ala Ser Pro Met Leu Lys
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<210> 428
 <211> 532
 <212> PRT
 <213> Homo sapiens

<400> 428
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 35 40 45
 Val Asp Ser Ala Ala Ala His Met Gly Ala Phe Lys Leu Asn Pro Gly
 50 55 60
 Ala His Glu Leu Ser Pro Gly Gln Ser Ser Ala Phe Thr Ser Gln Gly
 65 70 75 80
 Pro Gly Ala Tyr Pro Gly Ser Ala Ala Ala Ala Ala Ala Ala Ala
 85 90 95
 Leu Gly Pro His Ala Ala His Val Gly Ser Tyr Ser Gly Pro Pro Phe
 100 105 110
 Asn Ser Thr Arg Asp Phe Leu Phe Arg Ser Ala Arg Leu Pro Gly Thr
 115 120 125
 Ser Ala Pro Gly Gly Gly Gln His Gly Leu Phe Gly Pro Gly Ala Gly
 130 135 140
 Gly Leu His His Ala His Ser Asp Ala Gln Gly His Leu Leu Phe Pro

145		150		155		160
Gly Leu Pro Glu Gln	His Gly Pro His	Gly Ser Gln Asn Val	Leu Asn			
	165	170	175			
Gly Gln Met Arg Leu	Gly Leu Pro Gly	Glu Val Phe Gly	Arg Ser Glu			
	180	185	190			
Gln Tyr Arg Gln Val	Ala Ser Pro Arg	Thr Asp Pro Tyr	Ser Ala Ala			
	195	200	205			
Gln Leu His Asn Gln	Tyr Gly Pro Met	Asn Met Asn Met	Gly Met Asn			
	210	215	220			
Met Ala Ala Ala Ala	Ala His His His	His His His His	Pro			
225	230	235	240			
Gly Ala Phe Phe Arg	Tyr Met Arg Gln	Gln Cys Ile Lys	Gln Glu Leu			
	245	250	255			
Ile Cys Lys Trp Ile	Asp Pro Glu Gln	Leu Ser Asn Pro	Lys Lys Ser			
	260	265	270			
Cys Asn Lys Thr Phe	Ser Thr Met His	Glu Leu Val Thr	His Val Ser			
	275	280	285			
Val Glu His Val Gly	Gly Pro Glu Gln	Ser Asn His Val	Cys Phe Trp			
	290	295	300			
Glu Glu Cys Pro Arg	Glu Gly Lys Pro	Phe Lys Ala Lys	Tyr Lys Leu			
305	310	315	320			
Val Asn His Ile Arg	Val His Thr Gly	Glu Lys Pro Phe	Pro Cys Pro			
	325	330	335			
Phe Pro Gly Cys Gly	Lys Val Phe Ala	Arg Ser Glu Asn	Leu Lys Ile			
	340	345	350			
His Lys Arg Thr His	Thr Gly Glu Lys	Pro Phe Gln Cys	Glu Phe Glu			
	355	360	365			
Gly Cys Asp Arg Arg	Phe Ala Asn Ser	Ser Asp Arg Lys	Lys His Met			
	370	375	380			
His Val His Thr Ser	Asp Lys Pro Tyr	Leu Cys Lys Met	Cys Asp Lys			
385	390	395	400			
Ser Tyr Thr His Pro	Ser Ser Leu Arg	Lys His Met Lys	Val His Glu			
	405	410	415			
Ser Ser Pro Gln Gly	Ser Glu Ser Ser	Pro Ala Ala Ser	Ser Gly Tyr			
	420	425	430			
Glu Ser Ser Thr Pro	Pro Gly Leu Val	Ser Pro Ser Ala	Glu Pro Gln			
	435	440	445			
Ser Ser Ser Asn Leu	Ser Pro Ala Ala	Ala Ala Ala Ala	Ala Ala Ala			
	450	455	460			
Ala Ala Ala Ala Ala	Ala Val Ser Ala	Val His Arg Gly	Gly Gly Ser			
465	470	475	480			
Gly Ser Gly Gly Ala	Gly Gly Gly Ser	Gly Gly Gly Ser	Gly Ser Gly			
	485	490	495			
Gly Gly Gly Gly Ala	Gly Gly Gly Gly	Ser Ser Ser Ser	Gly Gly Gly			
	500	505	510			
Gly Ser Gly Thr Ala	Gly Gly His Ser	Gly Leu Ser Ser	Asn Phe Asn			
	515	520	525			
Glu Trp Tyr Val						
530						

<210> 429
 <211> 629
 <212> PRT

<400> 429

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 435 440 445
 Leu Ser Met Gln Val Ala Ser Ala Arg Gln Thr Glu Ser Leu Glu Ser
 450 455 460
 Leu Leu Ser Lys Ser Gln Glu His Glu Gln Arg Leu Ala Pro Ala Gly
 465 470 475 480
 Ala Leu Glu Gly Leu Gly Ser Ser Glu Ala Asp Gln Asp Gly Leu Ala
 485 490 495
 Ser Thr Val Arg Ser Leu Gly Glu Thr Gln Leu Val Leu Tyr Gly Asp
 500 505 510
 Val Glu Glu Leu Lys Arg Ser Val Gly Glu Leu Pro Ser Thr Val Glu
 515 520 525
 Ser Leu Gln Lys Val Gln Glu Gln Val His Thr Leu Leu Ser Gln Asp
 530 535 540
 Gln Ala Gln Ala Ala Arg Leu Pro Pro Gln Asp Phe Leu Asp Arg Leu
 545 550 555 560
 Ser Ser Leu Asp Asn Leu Lys Ala Ser Val Ser Gln Val Glu Ala Asp
 565 570 575
 Leu Lys Met Leu Arg Thr Ala Val Asp Ser Leu Val Ala Tyr Ser Val
 580 585 590
 Lys Ile Glu Thr Asn Glu Asn Asn Leu Glu Ser Ala Lys Gly Leu Leu
 595 600 605
 Asp Asp Leu Arg Asn Asp Leu Asp Arg Leu Phe Val Lys Val Glu Lys
 610 615 620
 Ile His Glu Lys Val
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<210> 430
 <211> 147
 <212> PRT
 <213> Homo sapiens

<400> 430
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 20 25 30
 Met Pro Met Phe Ile Val Asn Thr Asn Val Pro Arg Ala Ser Val Pro
 35 40 45
 Asp Gly Phe Leu Ser Glu Leu Thr Gln Gln Leu Ala Gln Ala Thr Gly
 50 55 60
 Lys Pro Pro Gln Tyr Ile Ala Val His Val Val Pro Asp Gln Leu Met
 65 70 75 80
 Ala Phe Gly Gly Ser Ser Glu Pro Cys Ala Leu Cys Ser Leu His Ser
 85 90 95
 Ile Gly Lys Ile Gly Gly Ala Gln Asn Arg Ser Tyr Ser Lys Leu Leu
 100 105 110
 Cys Gly Leu Leu Ala Glu Arg Leu Arg Ile Ser Pro Asp Arg Val Tyr
 115 120 125
 Ile Asn Tyr Tyr Asp Met Asn Ala Ala Asn Val Gly Trp Asn Asn Ser

130
Thr Phe Ala
145

135

140

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<210> 431
<211> 775
<212> PRT
<213> Homo sapiens
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Thr	Glu	Met	Leu	Arg	Ala	Cys	Gln	Leu	Ser	Gly	Val	Thr	Ala	Ala	Ala
			20					25					30		
Gln	Ser	Cys	Leu	Cys	Gly	Lys	Phe	Val	Leu	Arg	Pro	Leu	Arg	Pro	Cys
		35					40					45			
Arg	Arg	Tyr	Ser	Thr	Ser	Gly	Ser	Ser	Gly	Leu	Thr	Thr	Gly	Lys	Ile
	50					55					60				
Ala	Gly	Ala	Gly	Leu	Leu	Phe	Val	Gly	Gly	Gly	Ile	Gly	Gly	Thr	Ile
	65				70					75					80
Leu	Tyr	Ala	Lys	Trp	Asp	Ser	His	Phe	Arg	Glu	Ser	Val	Glu	Lys	Thr
				85					90					95	
Ile	Pro	Tyr	Ser	Asp	Lys	Leu	Phe	Glu	Met	Val	Leu	Gly	Pro	Ala	Ala
			100					105					110		
Tyr	Asn	Val	Pro	Leu	Pro	Lys	Lys	Ser	Ile	Gln	Ser	Gly	Pro	Leu	Lys
		115					120					125			
Ile	Ser	Ser	Val	Ser	Glu	Val	Met	Lys	Glu	Ser	Lys	Gln	Pro	Ala	Ser
	130					135					140				
Gln	Leu	Gln	Lys	Gln	Lys	Gly	Asp	Thr	Pro	Ala	Ser	Ala	Thr	Ala	Pro
	145				150					155					160
Thr	Glu	Ala	Ala	Gln	Ile	Ile	Ser	Ala	Ala	Gly	Asp	Thr	Leu	Ser	Val
				165					170					175	
Pro	Ala	Pro	Ala	Val	Gln	Pro	Glu	Glu	Ser	Leu	Lys	Thr	Asp	His	Pro
			180					185					190		
Glu	Ile	Gly	Glu	Gly	Lys	Pro	Thr	Pro	Ala	Leu	Ser	Glu	Glu	Ala	Ser
		195					200				205				
Ser	Ser	Ser	Ile	Arg	Glu	Arg	Pro	Pro	Glu	Glu	Val	Ala	Ala	Arg	Leu
	210					215					220				
Ala	Gln	Gln	Glu	Lys	Gln	Glu	Gln	Val	Lys	Ile	Glu	Ser	Leu	Ala	Lys
	225				230					235					240
Ser	Leu	Glu	Asp	Ala	Leu	Arg	Gln	Thr	Ala	Ser	Val	Thr	Leu	Gln	Ala
				245					250					255	
Ile	Ala	Ala	Gln	Asn	Ala	Ala	Val	Gln	Ala	Val	Asn	Ala	His	Ser	Asn
			260					265					270		
Ile	Leu	Lys	Ala	Ala	Met	Asp	Asn	Ser	Glu	Ile	Ala	Gly	Glu	Lys	Lys
		275					280					285			
Ser	Ala	Gln	Trp	Arg	Thr	Val	Glu	Gly	Ala	Leu	Lys	Glu	Arg	Arg	Lys
	290					295					300				
Ala	Val	Asp	Glu	Ala	Ala	Asp	Ala	Leu	Leu	Lys	Ala	Lys	Glu	Glu	Leu
	305				310					315					320
Glu	Lys	Met	Lys	Ser	Val	Ile	Glu	Asn	Ala	Lys	Lys	Lys	Glu	Val	Ala
				325					330					335	
Gly	Ala	Lys	Pro	His	Ile	Thr	Ala	Ala	Glu	Gly	Lys	Leu	His	Asn	Met

			340						345						350		
Ile	Val	Asp	Leu	Asp	Asn	Val	Val	Lys	Lys	Val	Gln	Ala	Ala	Gln	Ser		
		355					360					365					
Glu	Ala	Lys	Val	Val	Ser	Gln	Tyr	His	Glu	Leu	Val	Val	Gln	Ala	Arg		
	370					375					380						
Asp	Asp	Phe	Lys	Arg	Glu	Leu	Asp	Ser	Ile	Thr	Pro	Glu	Val	Leu	Pro		
385					390					395					400		
Gly	Trp	Lys	Gly	Met	Ser	Val	Ser	Asp	Leu	Ala	Asp	Lys	Leu	Ser	Thr		
				405					410					415			
Asp	Asp	Leu	Asn	Ser	Leu	Ile	Ala	His	Ala	His	Arg	Arg	Ile	Asp	Gln		
			420					425					430				
Leu	Asn	Arg	Glu	Leu	Ala	Glu	Gln	Lys	Ala	Thr	Glu	Lys	Gln	His	Ile		
	435					440						445					
Thr	Leu	Ala	Leu	Glu	Lys	Gln	Lys	Leu	Glu	Glu	Lys	Arg	Ala	Phe	Asp		
	450					455					460						
Ser	Ala	Val	Ala	Lys	Ala	Leu	Glu	His	His	Arg	Ser	Glu	Ile	Gln	Ala		
465					470					475					480		
Glu	Gln	Asp	Arg	Lys	Ile	Glu	Glu	Val	Arg	Asp	Ala	Met	Glu	Asn	Glu		
				485					490					495			
Met	Arg	Thr	Gln	Leu	Arg	Arg	Gln	Ala	Ala	Ala	His	Thr	Asp	His	Leu		
			500					505					510				
Arg	Asp	Val	Leu	Arg	Val	Gln	Glu	Gln	Glu	Leu	Lys	Ser	Glu	Phe	Glu		
		515					520					525					
Gln	Asn	Leu	Ser	Glu	Lys	Leu	Ser	Glu	Gln	Glu	Leu	Gln	Phe	Arg	Arg		
	530					535					540						
Leu	Ser	Gln	Glu	Gln	Val	Asp	Asn	Phe	Thr	Leu	Asp	Ile	Asn	Thr	Ala		
545					550					555					560		
Tyr	Ala	Arg	Leu	Arg	Gly	Ile	Glu	Gln	Ala	Val	Gln	Ser	His	Ala	Val		
				565				570					575				
Ala	Glu	Glu	Glu	Ala	Arg	Lys	Ala	His	Gln	Leu	Trp	Leu	Ser	Val	Glu		
			580					585					590				
Ala	Leu	Lys	Tyr	Ser	Met	Lys	Thr	Ser	Ser	Ala	Glu	Thr	Pro	Thr	Ile		
		595					600					605					
Pro	Leu	Gly	Ser	Ala	Val	Glu	Ala	Ile	Lys	Ala	Asn	Cys	Ser	Asp	Asn		
	610					615					620						
Glu	Phe	Thr	Gln	Ala	Leu	Thr	Ala	Ala	Ile	Pro	Pro	Glu	Ser	Leu	Thr		
625					630					635					640		
Arg	Gly	Val	Tyr	Ser	Glu	Glu	Thr	Leu	Arg	Ala	Arg	Phe	Tyr	Ala	Val		
				645				650					655				
Gln	Lys	Leu	Ala	Arg	Arg	Val	Ala	Met	Ile	Asp	Glu	Thr	Arg	Asn	Ser		
			660					665					670				
Leu	Tyr	Gln	Tyr	Phe	Leu	Ser	Tyr	Leu	Gln	Ser	Leu	Leu	Leu	Phe	Pro		
	675						680					685					
Pro	Gln	Gln	Leu	Lys	Pro	Pro	Pro	Glu	Leu	Cys	Pro	Glu	Asp	Ile	Asn		
	690					695					700						
Thr	Phe	Lys	Leu	Leu	Ser	Tyr	Ala	Ser	Tyr	Cys	Ile	Glu	His	Gly	Asp		
705					710				715						720		
Leu	Glu	Leu	Ala	Ala	Lys	Phe	Val	Asn	Gln	Leu	Lys	Gly	Glu	Ser	Arg		
				725				730					735				
Arg	Val	Ala	Gln	Asp	Trp	Leu	Lys	Glu	Ala	Arg	Met	Thr	Leu	Glu	Thr		
			740					745					750				
Lys	Gln	Ile	Val	Glu	Ile	Leu	Thr	Ala	Tyr	Ala	Ser	Ala	Val	Gly	Ile		
		755					760					765					
Gly	Thr	Thr	Gln	Val	Gln	Pro											

770

775

<210> 432
 <211> 741
 <212> PRT
 <213> Homo sapiens

<400> 432

Arg	Pro	Lys	Arg	Leu	Arg	Thr	Gly	Asn	Met	Val	Arg	Ser	Gly	Asn	Lys
				5					10					15	
Ala	Ala	Val	Val	Leu	Cys	Met	Asp	Val	Gly	Phe	Thr	Met	Ser	Asn	Ser
			20					25					30		
Ile	Pro	Gly	Ile	Glu	Ser	Pro	Phe	Glu	Gln	Ala	Lys	Lys	Val	Ile	Thr
		35					40					45			
Met	Phe	Val	Gln	Arg	Gln	Val	Phe	Ala	Glu	Asn	Lys	Asp	Glu	Ile	Ala
	50					55					60				
Leu	Val	Leu	Phe	Gly	Thr	Asp	Gly	Thr	Asp	Asn	Pro	Leu	Ser	Gly	Gly
	65				70					75				80	
Asp	Gln	Tyr	Gln	Asn	Ile	Thr	Val	His	Arg	His	Leu	Met	Leu	Pro	Asp
				85					90					95	
Phe	Asp	Leu	Leu	Glu	Asp	Ile	Glu	Ser	Lys	Ile	Gln	Pro	Gly	Ser	Gln
			100					105					110		
Gln	Ala	Asp	Phe	Leu	Asp	Ala	Leu	Ile	Val	Ser	Met	Asp	Val	Ile	Gln
		115					120					125			
His	Glu	Thr	Ile	Gly	Lys	Lys	Phe	Glu	Lys	Arg	His	Ile	Glu	Ile	Phe
	130					135					140				
Thr	Asp	Leu	Ser	Ser	Arg	Phe	Ser	Lys	Ser	Gln	Leu	Asp	Ile	Ile	Ile
	145				150					155				160	
His	Ser	Leu	Lys	Lys	Cys	Asp	Ile	Ser	Leu	Gln	Phe	Phe	Leu	Pro	Phe
				165					170					175	
Ser	Leu	Gly	Lys	Glu	Asp	Gly	Ser	Gly	Asp	Arg	Gly	Asp	Gly	Pro	Phe
		180					185					190			
Arg	Leu	Gly	Gly	His	Gly	Pro	Ser	Phe	Pro	Leu	Lys	Gly	Ile	Thr	Glu
		195				200						205			
Gln	Gln	Lys	Glu	Gly	Leu	Glu	Ile	Val	Lys	Met	Val	Met	Ile	Ser	Leu
		210				215					220				
Glu	Gly	Glu	Asp	Gly	Leu	Asp	Glu	Ile	Tyr	Ser	Phe	Ser	Glu	Ser	Leu
	225				230					235				240	
Arg	Lys	Leu	Cys	Val	Phe	Lys	Lys	Ile	Glu	Arg	His	Ser	Ile	His	Trp
			245						250					255	
Pro	Cys	Arg	Leu	Thr	Ile	Gly	Ser	Asn	Leu	Ser	Ile	Arg	Ile	Ala	Ala
			260					265					270		
Tyr	Lys	Ser	Ile	Leu	Gln	Glu	Arg	Val	Lys	Lys	Thr	Trp	Thr	Val	Val
		275					280					285			
Asp	Ala	Lys	Thr	Leu	Lys	Lys	Glu	Asp	Ile	Gln	Lys	Glu	Thr	Val	Tyr
		290				295					300				
Cys	Leu	Asn	Asp	Asp	Asp	Glu	Thr	Glu	Val	Leu	Lys	Glu	Asp	Ile	Ile
	305				310					315				320	
Gln	Gly	Phe	Arg	Tyr	Gly	Ser	Asp	Ile	Val	Pro	Phe	Ser	Lys	Val	Asp
			325						330					335	
Glu	Glu	Gln	Met	Lys	Tyr	Lys	Ser	Glu	Gly	Lys	Cys	Phe	Ser	Val	Leu
			340					345					350		
Gly	Phe	Cys	Lys	Ser	Ser	Gln	Val	Gln	Arg	Arg	Phe	Phe	Met	Gly	Asn

355					360					365					
Gln	Val	Leu	Lys	Val	Phe	Ala	Ala	Arg	Asp	Asp	Glu	Ala	Ala	Ala	Val
370					375					380					
Ala	Leu	Ser	Ser	Leu	Ile	His	Ala	Leu	Asp	Asp	Leu	Asp	Met	Val	Ala
385					390					395					400
Ile	Val	Arg	Tyr	Ala	Tyr	Asp	Lys	Arg	Ala	Asn	Pro	Gln	Val	Gly	Val
				405					410					415	
Ala	Phe	Pro	His	Ile	Lys	His	Asn	Tyr	Glu	Cys	Leu	Val	Tyr	Val	Gln
			420					425					430		
Leu	Pro	Phe	Met	Glu	Asp	Leu	Arg	Gln	Tyr	Met	Phe	Ser	Ser	Leu	Lys
		435					440					445			
Asn	Ser	Lys	Lys	Tyr	Ala	Pro	Thr	Glu	Ala	Gln	Leu	Asn	Ala	Val	Asp
		450				455					460				
Ala	Leu	Ile	Asp	Ser	Met	Ser	Leu	Ala	Lys	Lys	Asp	Glu	Lys	Thr	Asp
465					470					475					480
Thr	Leu	Glu	Asp	Leu	Phe	Pro	Thr	Thr	Lys	Ile	Pro	Asn	Pro	Arg	Phe
				485					490					495	
Gln	Arg	Leu	Phe	Gln	Cys	Leu	Leu	His	Arg	Ala	Leu	His	Pro	Arg	Glu
			500					505				510			
Pro	Leu	Pro	Pro	Ile	Gln	Gln	His	Ile	Trp	Asn	Met	Leu	Asn	Pro	Pro
		515					520					525			
Ala	Glu	Val	Thr	Thr	Lys	Ser	Gln	Ile	Pro	Leu	Ser	Lys	Ile	Lys	Thr
	530					535					540				
Leu	Phe	Pro	Leu	Ile	Glu	Ala	Lys	Lys	Lys	Asp	Gln	Val	Thr	Ala	Gln
545					550					555					560
Glu	Ile	Phe	Gln	Asp	Asn	His	Glu	Asp	Gly	Pro	Thr	Ala	Lys	Lys	Leu
			565						570					575	
Lys	Thr	Glu	Gln	Gly	Gly	Ala	His	Phe	Ser	Val	Ser	Ser	Leu	Ala	Glu
			580					585				590			
Gly	Ser	Val	Thr	Ser	Val	Gly	Ser	Val	Asn	Pro	Ala	Glu	Asn	Phe	Arg
		595					600					605			
Val	Leu	Val	Lys	Gln	Lys	Lys	Ala	Ser	Phe	Glu	Glu	Ala	Ser	Asn	Gln
	610					615					620				
Leu	Ile	Asn	His	Ile	Glu	Gln	Phe	Leu	Asp	Thr	Asn	Glu	Thr	Pro	Tyr
625					630					635					640
Phe	Met	Lys	Ser	Ile	Asp	Cys	Ile	Arg	Ala	Phe	Arg	Glu	Glu	Ala	Ile
			645						650					655	
Lys	Phe	Ser	Glu	Glu	Gln	Arg	Phe	Asn	Asn	Phe	Leu	Lys	Ala	Leu	Gln
			660					665				670			
Glu	Lys	Val	Glu	Ile	Lys	Gln	Leu	Asn	His	Phe	Trp	Glu	Ile	Val	Val
		675				680					685				
Gln	Asp	Gly	Ile	Thr	Leu	Ile	Thr	Lys	Glu	Glu	Ala	Ser	Gly	Ser	Ser
	690					695					700				
Val	Thr	Ala	Glu	Glu	Ala	Lys	Lys	Phe	Leu	Ala	Pro	Lys	Asp	Lys	Pro
705					710					715					720
Ser	Gly	Asp	Thr	Ala	Ala	Val	Phe	Glu	Glu	Gly	Gly	Asp	Val	Asp	Asp
			725					730						735	
Leu	Leu	Asp	Met	Ile											
			740												

<210> 433

<211> 291

<212> PRT

<213> Homo sapiens

<400> 433

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Phe Arg Pro Arg Tyr Glu Gly Arg Gly Arg Gly Cys Cys Gly Arg Val
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Leu Leu Leu Arg Arg Gly Leu His Val Asp Cys Gly Lys Leu Gly Asn
      20              25              30
Lys Leu Thr Ser Ser Cys Gly Lys Pro Ser Ser Asn Arg Met Ser Leu
      35              40              45
Gln Trp Thr Ala Val Ala Thr Phe Leu Tyr Ala Glu Val Phe Val Val
      50              55              60
Leu Leu Leu Cys Ile Pro Phe Ile Ser Pro Lys Arg Trp Gln Lys Ile
      65              70              75              80
Phe Lys Ser Arg Leu Val Glu Leu Leu Val Ser Tyr Gly Asn Thr Phe
      85              90              95
Phe Val Val Leu Ile Val Ile Leu Val Leu Leu Val Ile Asp Ala Val
      100             105             110
Arg Glu Ile Arg Lys Tyr Asp Asp Val Thr Glu Lys Val Asn Leu Gln
      115             120             125
Asn Asn Pro Gly Ala Met Glu His Phe His Met Lys Leu Phe Arg Ala
      130             135             140
Gln Arg Asn Leu Tyr Ile Ala Gly Phe Ser Leu Leu Leu Ser Phe Leu
      145             150             155             160
Leu Arg Arg Leu Val Thr Leu Ile Ser Gln Gln Ala Thr Leu Leu Ala
      165             170             175
Ser Asn Glu Ala Phe Lys Lys Gln Ala Glu Ser Ala Ser Glu Ala Ala
      180             185             190
Lys Lys Tyr Met Glu Glu Asn Asp Gln Leu Lys Lys Gly Ala Ala Val
      195             200             205
Asp Gly Gly Lys Leu Asp Val Gly Asn Ala Glu Val Lys Leu Glu Glu
      210             215             220
Glu Asn Arg Ser Leu Lys Ala Asp Leu Gln Lys Leu Lys Asp Glu Leu
      225             230             235             240
Ala Ser Thr Lys Gln Lys Leu Glu Lys Ala Glu Asn Gln Val Leu Ala
      245             250             255
Met Arg Lys Gln Ser Glu Gly Leu Thr Lys Glu Tyr Asp Arg Leu Leu
      260             265             270
Glu Glu His Ala Lys Leu Gln Ala Ala Val Asp Gly Pro Met Asp Lys
      275             280             285
Lys Glu Glu
      290

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<210> 434

<211> 349

<212> PRT

<213> Homo sapiens

<400> 434

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Gly Val Ala Pro Trp Gly Arg Gly Arg Ala Ala Pro Arg Cys Ala Ser
      5              10              15
Ala Thr Val Gly Gly Ser Gly Ile Gly Arg Leu Arg Gly Ile Thr Ser
      20              25              30
Ser Gly Leu Lys Met Asp Asn Lys Lys Arg Leu Ala Tyr Ala Ile Ile

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35				40				45							
Gln	Phe	Leu	His	Asp	Gln	Leu	Arg	His	Gly	Gly	Leu	Ser	Ser	Asp	Ala
50						55					60				
Gln	Glu	Ser	Leu	Glu	Val	Ala	Ile	Gln	Cys	Leu	Glu	Thr	Ala	Phe	Gly
65					70					75					80
Val	Thr	Val	Glu	Asp	Ser	Asp	Leu	Ala	Leu	Pro	Gln	Thr	Leu	Pro	Glu
				85					90					95	
Ile	Phe	Glu	Ala	Ala	Ala	Thr	Gly	Lys	Glu	Met	Pro	Gln	Asp	Leu	Arg
			100					105					110		
Ser	Pro	Ala	Arg	Thr	Pro	Pro	Ser	Glu	Glu	Asp	Ser	Ala	Glu	Ala	Glu
		115					120					125			
Arg	Leu	Lys	Thr	Glu	Gly	Asn	Glu	Gln	Met	Lys	Val	Glu	Asn	Phe	Glu
130						135					140				
Ala	Ala	Val	His	Phe	Tyr	Gly	Lys	Ala	Ile	Glu	Leu	Asn	Pro	Ala	Asn
145					150					155					160
Ala	Val	Tyr	Phe	Cys	Asn	Arg	Ala	Ala	Ala	Tyr	Ser	Lys	Leu	Gly	Asn
				165					170					175	
Tyr	Ala	Gly	Ala	Val	Gln	Asp	Cys	Glu	Arg	Ala	Ile	Cys	Ile	Asp	Pro
			180					185				190			
Ala	Tyr	Ser	Lys	Ala	Tyr	Gly	Arg	Met	Gly	Leu	Ala	Leu	Ser	Ser	Leu
		195					200					205			
Asn	Lys	His	Val	Glu	Ala	Val	Ala	Tyr	Tyr	Lys	Lys	Ala	Leu	Glu	Leu
210						215					220				
Asp	Pro	Asp	Asn	Glu	Thr	Tyr	Lys	Ser	Asn	Leu	Lys	Ile	Ala	Glu	Leu
225					230					235					240
Lys	Leu	Arg	Glu	Ala	Pro	Ser	Pro	Thr	Gly	Gly	Val	Gly	Ser	Phe	Asp
				245					250					255	
Ile	Ala	Gly	Leu	Leu	Asn	Asn	Pro	Gly	Phe	Met	Ser	Met	Ala	Ser	Asn
			260					265					270		
Leu	Met	Asn	Asn	Pro	Gln	Ile	Gln	Gln	Leu	Met	Ser	Gly	Met	Ile	Ser
		275					280					285			
Gly	Gly	Asn	Asn	Pro	Leu	Gly	Thr	Pro	Gly	Thr	Ser	Pro	Ser	Gln	Asn
290					295						300				
Asp	Leu	Ala	Ser	Leu	Ile	Gln	Ala	Gly	Gln	Gln	Phe	Ala	Gln	Gln	Met
305					310					315					320
Gln	Gln	Gln	Asn	Pro	Glu	Leu	Ile	Glu	Gln	Leu	Arg	Ser	Gln	Ile	Arg
				325					330					335	
Ser	Arg	Thr	Pro	Ser	Ala	Ser	Asn	Asp	Asp	Gln	Gln	Glu			
			340					345							

<210> 435

<211> 519

<212> PRT

<213> Homo sapiens

<400> 435

Gln	Pro	Ser	Ala	Glu	Pro	Arg	Arg	Thr	Met	Pro	Ala	Val	Asp	Lys	Leu
			5						10					15	
Leu	Leu	Glu	Glu	Ala	Leu	Gln	Asp	Ser	Pro	Gln	Thr	Arg	Ser	Leu	Leu
			20					25					30		
Ser	Val	Phe	Glu	Glu	Asp	Ala	Gly	Thr	Leu	Thr	Asp	Tyr	Thr	Asn	Gln
		35					40				45				
Leu	Leu	Gln	Ala	Met	Gln	Arg	Val	Tyr	Gly	Ala	Gln	Asn	Glu	Met	Cys

	50					55					60					
Leu 65	Ala	Thr	Gln	Gln	Leu 70	Ser	Lys	Gln	Leu 75	Leu 75	Ala	Tyr	Glu	Lys	Gln 80	
Asn	Phe	Ala	Leu	Gly 85	Lys	Gly	Asp	Glu	Glu 90	Val	Ile	Ser	Thr	Leu 95	His 80	
Tyr	Phe	Ser	Lys	Val 100	Val	Asp	Glu	Leu 105	Asn	Leu	Leu	His	Thr	Glu 110	Leu 95	
Ala	Lys	Gln	Leu	Ala 115	Asp	Thr	Met	Val	Leu	Pro	Ile	Ile	Gln	Phe	Arg 100	
Glu 130	Lys	Asp	Leu	Thr	Glu	Val	Ser	Thr	Leu	Lys	Asp	Leu	Phe	Gly	Leu 125	
Ala 145	Ser	Asn	Glu	His	Asp	Leu	Ser	Met	Ala	Lys	Tyr	Ser	Arg	Leu	Pro 140	
Lys	Lys	Lys	Glu	Asn 165	Glu	Lys	Val	Lys	Thr 170	Glu	Val	Gly	Lys	Glu 175	Val 160	
Ala	Ala	Ala	Arg 180	Arg	Lys	Gln	His	Leu 185	Ser	Ser	Leu	Gln	Tyr	Tyr	Cys 175	
Ala	Leu	Asn	Ala 195	Leu	Gln	Tyr	Arg	Lys 200	Gln	Met	Ala	Met	Met	Glu	Pro 185	
Met	Ile	Gly	Phe	Ala	His	Gly	Gln	Ile	Asn	Phe	Phe	Lys	Lys	Gly	Ala 200	
Glu 225	Met	Phe	Ser	Lys	Arg	Met	Asp	Ser	Phe	Leu	Ser	Ser	Val	Ala	Asp 215	
Met	Val	Gln	Ser	Ile	Gln	Val	Glu	Leu	Glu	Ala	Glu	Ala	Glu	Lys	Met 230	
Arg	Val	Ser	Gln	Gln	Glu	Leu	Leu	Ser	Val	Asp	Glu	Ser	Val	Tyr	Thr 245	
Pro	Asp	Ser	Asp	Val	Ala	Ala	Pro	Gln	Ile	Asn	Arg	Asn	Leu	Ile	Gln 260	
Lys	Ala	Gly	Tyr	Leu	Asn	Leu	Arg	Asn	Lys	Thr	Gly	Leu	Val	Thr	Thr 275	
Thr 305	Trp	Glu	Arg	Leu	Tyr	Phe	Phe	Thr	Gln	Gly	Gly	Asn	Leu	Met	Cys 290	
Gln	Pro	Arg	Gly	Ala	Val	Ala	Gly	Gly	Leu	Ile	Gln	Asp	Leu	Asp	Asn 310	
Cys	Ser	Val	Met	Ala	Val	Asp	Cys	Glu	Asp	Arg	Arg	Tyr	Cys	Phe	Gln 325	
Ile	Thr	Thr	Pro	Asn	Gly	Lys	Ser	Gly	Ile	Ile	Leu	Gln	Ala	Glu	Ser 340	
Arg	Lys	Glu	Asn	Glu	Glu	Trp	Ile	Cys	Ala	Ile	Asn	Asn	Thr	Ser	Arg 355	
Gln 385	Ile	Tyr	Leu	Thr	Asp	Asn	Pro	Glu	Ala	Val	Ala	Ile	Lys	Leu	Asn 370	
Gln	Thr	Ala	Leu	Gln	Ala	Val	Thr	Pro	Ile	Thr	Ser	Phe	Gly	Lys	Lys 385	
Gln	Glu	Ser	Ser	Cys	Pro	Ser	Gln	Asn	Leu	Lys	Asn	Ser	Glu	Met	Glu 400	
Asn	Glu	Asn	Asp	Lys	Ile	Val	Pro	Lys	Ala	Thr	Ala	Ser	Leu	Pro	Glu 415	
Ala	Glu	Glu	Leu	Ile	Ala	Pro	Gly	Thr	Pro	Ile	Gln	Phe	Asp	Ile	Val 430	
Leu 465	Pro	Ala	Thr	Glu	Phe	Leu	Asp	Gln	Asn	Arg	Gly	Ser	Arg	Arg	Thr 445	
Asn	Pro	Phe	Gly	Glu	Thr	Glu	Asp	Glu	Ser	Phe	Pro	Glu	Ala	Glu	Asp 460	

	485		490		495
Ser	Leu	Leu	Gln	Gln	Met
	500				
Val	Lys	Thr	Asp	Ser	Thr
	515				

<210> 436
 <211> 357
 <212> PRT
 <213> Homo sapiens

<400> 436

Met	Leu	Gln	Ile	His	Leu	Pro	Gly	Arg	His	Thr	Leu	Phe	Val	Arg	Ala
				5					10					15	
Met	Ile	Asp	Ser	Gly	Ala	Ser	Gly	Asn	Phe	Ile	Asp	His	Glu	Tyr	Val
		20					25						30		
Ala	Gln	Asn	Gly	Ile	Pro	Leu	Arg	Ile	Lys	Asp	Trp	Pro	Ile	Leu	Val
		35					40					45			
Glu	Ala	Ile	Asp	Gly	Arg	Pro	Ile	Ala	Ser	Gly	Pro	Val	Val	His	Glu
	50					55					60				
Thr	His	Asp	Leu	Ile	Val	Asp	Leu	Gly	Asp	His	Arg	Glu	Val	Leu	Ser
	65				70				75					80	
Phe	Asp	Val	Thr	Gln	Ser	Pro	Phe	Phe	Pro	Val	Val	Leu	Gly	Val	Arg
			85					90						95	
Trp	Leu	Ser	Thr	His	Asp	Pro	Asn	Ile	Thr	Trp	Ser	Thr	Arg	Ser	Ile
		100					105						110		
Val	Phe	Asp	Ser	Glu	Tyr	Cys	Arg	Tyr	His	Cys	Arg	Met	Tyr	Ser	Pro
	115						120					125			
Ile	Pro	Pro	Ser	Leu	Pro	Pro	Pro	Ala	Pro	Gln	Pro	Pro	Leu	Tyr	Tyr
	130				135					140					
Pro	Val	Asp	Gly	Tyr	Arg	Val	Tyr	Gln	Pro	Val	Arg	Tyr	Tyr	Tyr	Val
	145				150					155				160	
Gln	Asn	Val	Tyr	Thr	Pro	Val	Asp	Glu	His	Val	Tyr	Pro	Asp	His	Arg
		165						170					175		
Leu	Val	Asp	Pro	His	Ile	Glu	Met	Ile	Pro	Gly	Ala	His	Ser	Ile	Pro
		180					185						190		
Ser	Gly	His	Val	Tyr	Ser	Leu	Ser	Glu	Pro	Glu	Met	Ala	Ala	Leu	Arg
	195						200					205			
Asp	Phe	Val	Ala	Arg	Asn	Val	Lys	Asp	Gly	Leu	Ile	Thr	Pro	Thr	Ile
	210				215						220				
Ala	Pro	Asn	Gly	Ala	Gln	Val	Leu	Gln	Val	Lys	Arg	Gly	Trp	Lys	Leu
	225				230					235					240
Gln	Val	Ser	Tyr	Asp	Cys	Arg	Ala	Pro	Asn	Asn	Phe	Thr	Ile	Gln	Asn
		245						250						255	
Gln	Tyr	Pro	Arg	Leu	Ser	Ile	Pro	Asn	Leu	Glu	Asp	Gln	Ala	His	Leu
		260					265						270		
Ala	Thr	Tyr	Thr	Glu	Phe	Val	Pro	Gln	Ile	Pro	Gly	Tyr	Gln	Thr	Tyr
	275						280					285			
Pro	Thr	Tyr	Ala	Ala	Tyr	Pro	Thr	Tyr	Pro	Val	Gly	Phe	Ala	Trp	Tyr
	290				295						300				
Pro	Val	Gly	Arg	Asp	Gly	Gln	Gly	Arg	Ser	Leu	Tyr	Val	Pro	Val	Met
	305				310					315					320
Ile	Thr	Trp	Asn	Pro	His	Trp	Tyr	Arg	Gln	Pro	Pro	Val	Pro	Gln	Tyr

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<210> 437
<211> 501
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(501)
<223> n = A,T,C or G
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<210> 438
<211> 501
<212> DNA
<213> Homo sapiens
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<210> 439
<211> 501
<212> DNA
<213> Homo sapiens
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aagacaatga tgaaattaaag attgggacct catgtaagaa tggagggtgt tcaaagacat    120
accagggtct agagagtota gaagaagtct gtgtatatca ttctggagta cctattttcc    180
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atgaggggat	gaaatactgg	agctgttgta	gaagaaaaac	ttctgatttt	aatacattct	240
tagcccaaga	gggctgtaca	aaagggaaaac	acatgtggac	taaaaaagat	gctgggaaaa	300
aagttgttcc	atgtagacat	gactggcatc	agactggagg	tgaagttacc	atttcagtat	360
atgctaaaaa	ctcacttcca	gaacttagcc	cgagtagaag	caaatagcac	attgttaa	420
gtgcatattg	tatttgaagg	agagaaggaa	tttgatcaaa	atgtgaaatt	atggggtgtg	480
attgatgtaa	agcgaattat	t				501

<210> 440

<211> 481

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(481)

<223> n = A,T,C or G

<400> 440

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cagtcaaaag	aaagatacaa	gcaatcattt	ccatgtcttt	gttggtgac	tcagcccaga	180
aattacaact	gaagatataa	aagctgcttt	tgcaccattt	ggaagaatat	cagatgcccg	240
agtggtaaaa	gacatggcaa	caggaaagtc	taagggatat	ggctttgtct	cctttttcaa	300
caaatgggat	gctgaaaacg	ccattcaaca	gatgggtggc	cagtggcttg	gtggaagaca	360
aatcagaact	aactgggcaa	cccgaagcc	tcccgtcca	aagagtacat	atgagtcaaa	420
taccaaacag	ctatcatatg	atganggtgt	aatcagtc	aatccaagca	actgtctgta	480
t						481